ENSOLUM

August 18, 2025

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

Re: Closure Request
Bandana Federal 12G CTB
Incident Number nAPP2512834713
Lea County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the Bandana Federal 12G CTB (Site). The purpose of the assessment, excavation, and soil sampling activities was to address a crude oil and produced water release identified by COG at the Site into the lined containment and overspray onto the well pad at the Site. Based on the assessment and excavation activities, and analytical results from the soil sampling events, COG is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2512834713.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 12, Township 25 South, Range 34 East, in Lea County, New Mexico (32.14548449°, -103.422573°) and is associated with oil and gas exploration and production operations on private land owned by Quail Ranch.

On May 4, 2025, failure on a ½-inch nipple going to the pressure transducer on the water transfer pump resulted in the release of 1 barrel (bbl) of crude oil and 1 bbl of produced water into the lined secondary containment and overspray onto the well pad. COG reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on May 8, 2025. The release was assigned Incident Number nAPP2512834713.

SITE CHARATERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320918103254301, located

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approximately 0.7 miles northwest of the Site. The groundwater well has a reported depth to groundwater of 215.36 feet bgs with total depths of wells in the area at 300 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is Antelope Draw, located approximately 15,510 feet northeast 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, 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

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on May 8, 2025. A liner integrity inspection was conducted by Ensolum personnel on May 13, 2025. The lined containment was cleaned of all debris, power washed and inspected and was determined to be operating as designed. Upon inspection, no rips, tears, holes, or damage was observed. Photographic documentation of the inspection is included in Appendix B.

EXCAVATION SOIL SAMPLING ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between July 7, 2025, and August 5, 2025, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and field screen results. Excavation activities were performed using a backhoe and transport vehicle. To direct excavation activities, soil was screened for volatile organic compounds (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to depths ranging from 0.5 feet to 8 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation and from the surface of the release extent initially in compliance with the Site Closure Criteria. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS35 were collected from the floor of the excavation and release extent at depths ranging from 0.5 feet to 8 feet bgs. Composite soil samples SW01 through SW05 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 8 feet bgs. The release extent, excavation extent, and composite soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix 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 Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for composite soil samples FS01 through FS35 and SW01 through SW04 indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix C.

The excavation area measured approximately 6,300 square feet. A total of approximately 235 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 Facility in Hobbs, New Mexico. After completion of composite sampling, the excavation area was secured with fencing.

CLOSURE REQUEST

Excavation and soil sampling activities were completed at the Site to address May 2025 release of produced water and crude oil into the lined secondary containment and onto the well pad. Laboratory analytical results for the composite soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

COG believes that remedial actions completed are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number nAPP2512834713.

If you have any questions or comments, please contact Ms. Hadlie Green at (432) 557-8895 or hgreen@ensolum.com.

Sincerely,
Ensolum, LLC

Tabitha Guadian
Staff Geologist

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

cc: Jacob Laird, ConocoPhillips Company
Quail Ranch

Appendices:

Figure 1	Site Receptor Map
Figure 2	Composite Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation

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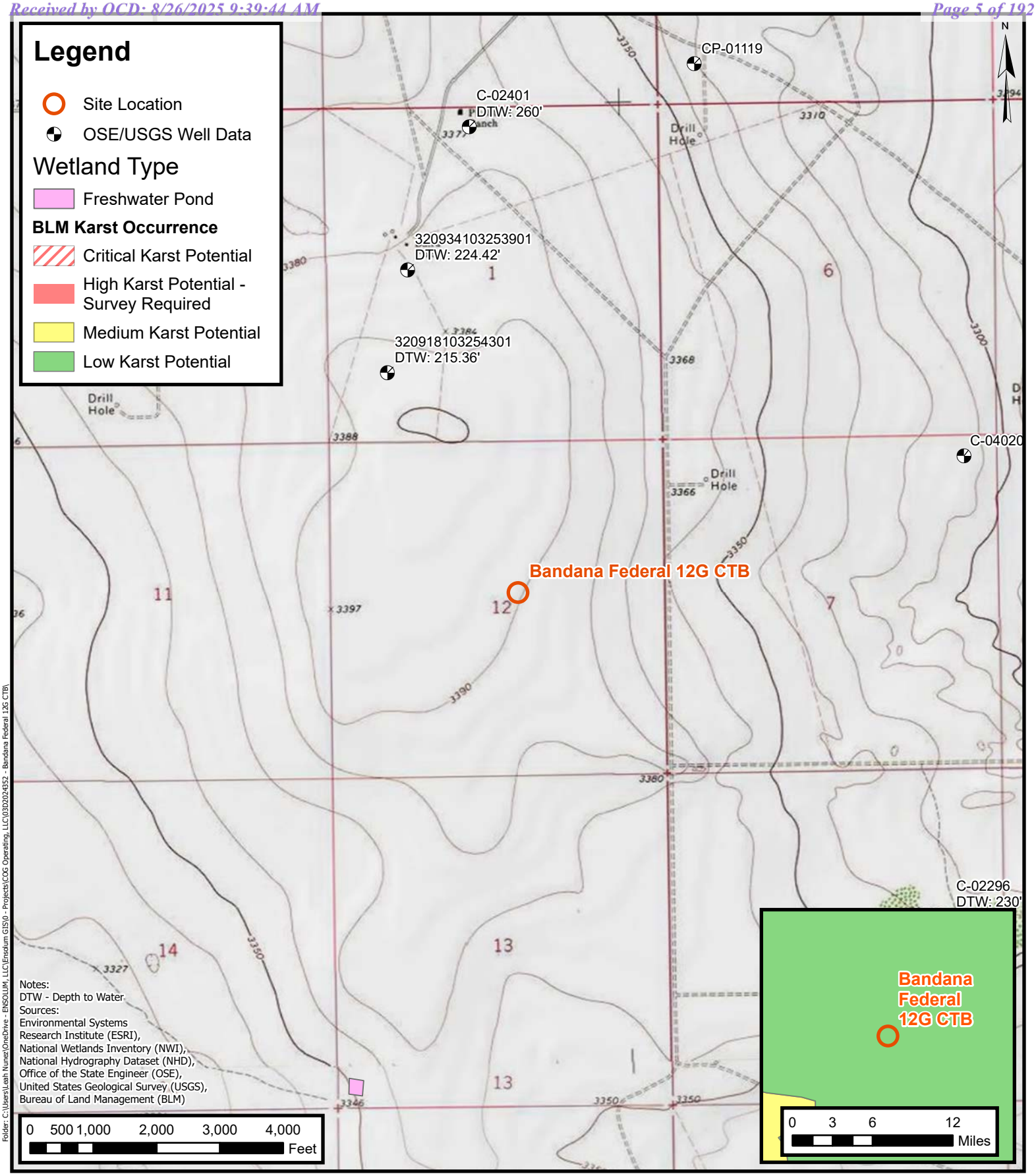
FIGURES



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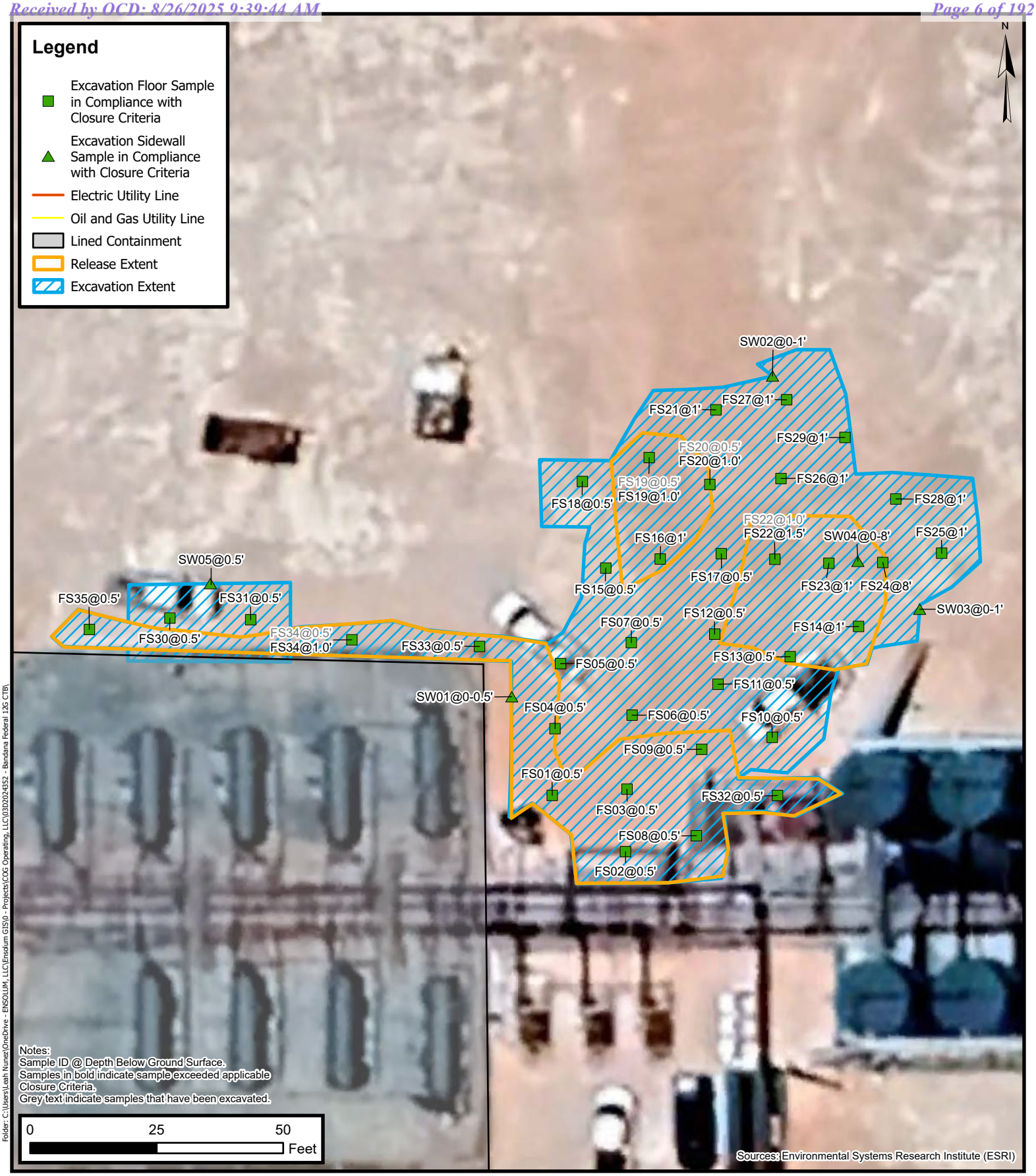
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

COG Operating, LLC
Bandana Federal 12G CTB
Incident Number: nAPP2512834713
Unit G, Section 12, T 25S, R 34E
Lea County, New Mexico

FIGURE 1



Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\COG Operating, LLC\0302024352 - Bandana Federal 12G CTB\

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Release Extent and Excavation Soil Sample Locations

COG Operating, LLC
Bandana Federal 12G CTB
Incident Number: nAPP2512834713
Unit G, Section 12, T 25S, R 34E
Lea County, New Mexico

FIGURE 2

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TABLE

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bandana Federal 12G CTB
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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	100	100	600
Excavation Floor Soil Samples										
FS01	07/09/2025	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	71.6
FS02	07/09/2025	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	87.5
FS03	07/09/2025	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	103
FS04	07/09/2025	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	104
FS05	07/09/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	125
FS06	07/09/2025	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	72.5
FS07	07/09/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	86.5
FS08	07/09/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	78.4
FS09	07/09/2025	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	84.4
FS10	07/09/2025	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	134
FS11	07/09/2025	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	117
FS12	07/09/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	109
FS13	07/09/2025	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	108
FS14	07/09/2025	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	65.9
FS15	07/09/2025	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	67.2
FS16	07/09/2025	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	93.6
FS17	07/09/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	90.7
FS18	07/09/2025	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	23.0
~~FS19~~	~~07/09/2025~~	~~0.5~~	~~<0.00198~~	~~<0.00397~~	~~<50.0~~	~~957~~	~~<50.0~~	~~957~~	~~957~~	~~200~~
FS19	07/25/2025	1.0	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	75.7

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TABLE 1
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COG Operating, LLC
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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	100	100	600
~~FS20~~	~~07/09/2025~~	~~0.5~~	~~<0.00199~~	~~<0.00398~~	~~<50.0~~	~~128~~	~~<50.0~~	~~128~~	~~128~~	~~83.2~~
FS20	07/25/2025	1.0	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	80.3
FS21	07/09/2025	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	85.4
~~FS22~~	~~07/09/2025~~	~~1~~	~~<0.00200~~	~~<0.00401~~	~~<49.6~~	~~350~~	~~<49.6~~	~~350~~	~~350~~	~~133~~
FS22	07/25/2025	1.5	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	22.5
FS23	07/09/2025	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	123
FS24	07/09/2025	8	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	104
FS25	07/09/2025	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	212
FS26	07/09/2025	1	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	144
FS27	07/09/2025	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	198
FS28	07/09/2025	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	130
FS29	07/09/2025	1	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	135
FS30	07/09/2025	0.5	<0.00200	<0.00399	<49.7	55.7	<49.7	55.7	55.7	93.2
FS31	07/09/2025	0.5	<0.00202	<0.00403	<49.6	<49.6	<49.6	<49.6	<49.6	211
FS32	07/09/2025	0.5	<0.00199	<0.00398	<50.0	87.5	<50.0	87.5	87.5	229
FS33	07/09/2025	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	84.7
~~FS34~~	~~07/09/2025~~	~~0.5~~	~~<0.00200~~	~~<0.00401~~	~~<50.0~~	~~212~~	~~<50.0~~	~~212~~	~~212~~	~~143~~
FS34	07/25/2025	1	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	<50.2	17.5
FS35	07/09/2025	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	75.4

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bandana Federal 12G CTB
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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**100**	**600**
Excavation Sidewall Soil Samples										
SW01	07/09/2025	0 - 0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	329
SW02	07/09/2025	0 - 1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	83.7
SW03	07/09/2025	0 - 1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	223
SW04	07/09/2025	0 - 8	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	293
~~SW05~~	~~07/25/2025~~	~~0 - 0.5~~	~~<0.00200~~	~~<0.00401~~	~~<50.3~~	~~121~~	~~<50.3~~	~~121~~	~~121~~	~~106~~
SW05	08/05/2025	0 - 0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	15.1

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon

*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*
~~Grey~~ text represents samples that have been excavated

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APPENDIX A

Referenced Well Records

USGS 320918103254301 25S.34E.01.143

Lea County, New Mexico
Latitude 32°09'18", Longitude 103°25'43" NAD27
Land-surface elevation 3,396 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1953-04-15		D	62610		3162.54	NGVD29	1	Z			A
1953-04-15		D	62611		3164.10	NAVD88	1	Z			A
1953-04-15		D	72019	231.90			1	Z			A
1968-06-12		D	62610		3171.39	NGVD29	1	Z			A
1968-06-12		D	62611		3172.95	NAVD88	1	Z			A
1968-06-12		D	72019	223.05			1	Z			A
1970-12-08		D	62610		3179.08	NGVD29	1	Z			A
1970-12-08		D	62611		3180.64	NAVD88	1	Z			A
1970-12-08		D	72019	215.36			1	Z			A

Explanation

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

Lea County, New Mexico
Latitude 32°09'34", Longitude 103°25'39" NAD27
Land-surface elevation 3,384 feet above NAVD88
The depth of the well is 300 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1953-04-15		D	62610		3151.44	NGVD29	1	Z			A
1953-04-15		D	62611		3153.00	NAVD88	1	Z			A
1953-04-15		D	72019	231.00			1	Z			A
1968-06-12		D	62610		3160.29	NGVD29	P	Z			A
1968-06-12		D	62611		3161.85	NAVD88	P	Z			A
1968-06-12		D	72019	222.15			P	Z			A
1970-12-08		D	62610		3164.25	NGVD29	1	Z			A
1970-12-08		D	62611		3165.81	NAVD88	1	Z			A
1970-12-08		D	72019	218.19			1	Z			A
1981-05-19		D	62610		3156.71	NGVD29	1	Z			A
1981-05-19		D	62611		3158.27	NAVD88	1	Z			A
1981-05-19		D	72019	225.73			1	Z			A
1986-03-12		D	62610		3158.02	NGVD29	1	Z			A
1986-03-12		D	62611		3159.58	NAVD88	1	Z			A
1986-03-12		D	72019	224.42			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet

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APPENDIX B

Photographic Log

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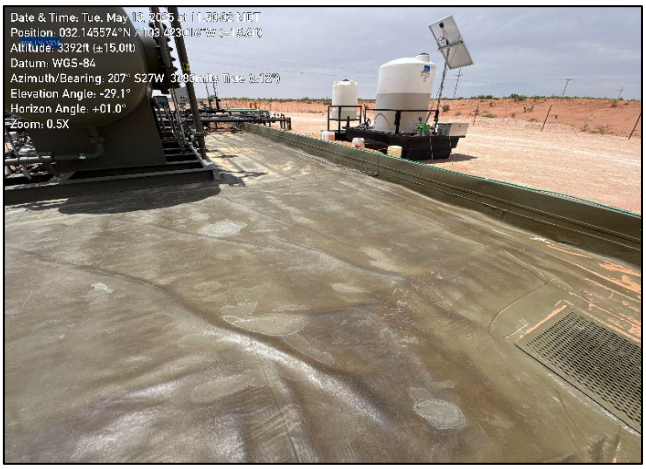
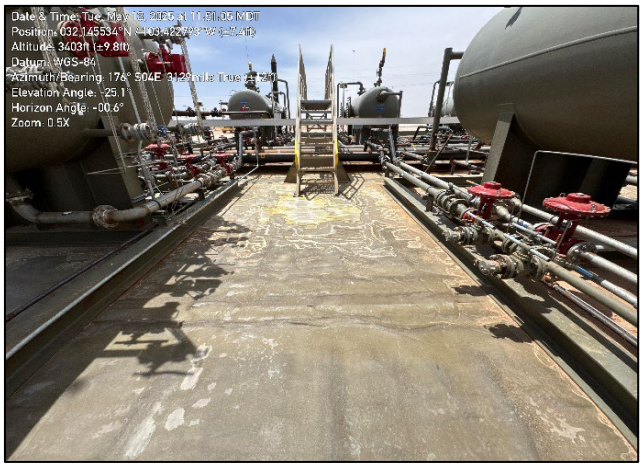
Photographic Log
COG Operating, LLC
Bandana Federal 12G CTB
Lea County, New Mexico

Photograph: 1 Date: 5/13/2025
Description: Liner Inspection
View: Southwest

Photograph: 2 Date: 5/13/2025
Description: Liner Inspection
View: Southeast



Photograph: 3 Date: 5/13/2025
Description: Liner Inspection
View: Southwest



Photograph: 4 Date: 5/13/2025
Description: Liner Inspection
View: Southeast

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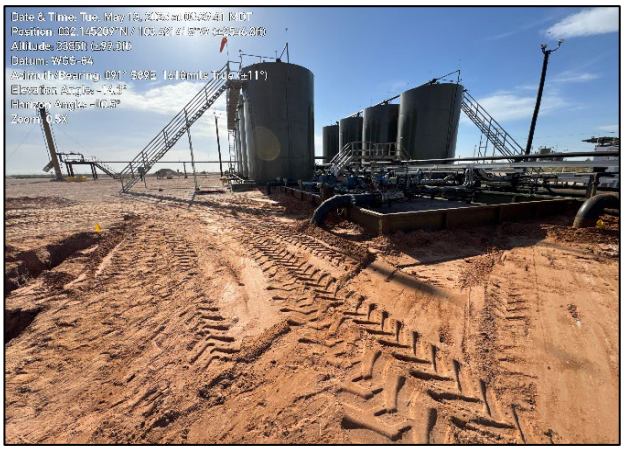
Photographic Log
COG Operating, LLC
Bandana Federal 12G CTB
Lea County, New Mexico



Photograph: 1 Date: 8/13/2025
Description: Site Assessment
View: Southeast

Photograph: 2 Date: 7/9/2025
Description: Excavation Activities
View: Southwest

Photograph: 3 Date: 7/9/2025
Description: Excavation Activities
View: Southeast

Photograph: 4 Date: 7/25/2025
Description: Excavation Activities
View: Northwest

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APPENDIX C

Laboratory Analytical Reports &

Chain-of-Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/20/2025 12:34:55 PM

JOB DESCRIPTION

Bandana Federal 12G CTB
Lea County

JOB NUMBER

880-58102-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

Eurofins Midland

Job Notes

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

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

Authorization

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

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Definitions/Glossary

Client: Ensolum
Job ID: 880-58102-1
Project/Site: Bandana Federal 12G CTB
SDG: Lea County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, 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: Bandana Federal 12G CTB

Job ID: 880-58102-1

Job ID: 880-58102-1 Eurofins Midland

Job Narrative
880-58102-1

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

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

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

Receipt
The samples were received on 5/13/2025 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SS05 (880-58102-5). 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 880-110097 and analytical batch 880-110089 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 laboratory control sample (LCS) associated with preparation batch 880-110128 and analytical batch 880-110089 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS05 (880-58102-5) and SS06 (880-58102-6). 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 880-110130 and analytical batch 880-110186 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: Surrogate recovery for the following sample was outside control limits: (MB 880-110130/5-A). 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 880-110186 was outside the upper control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-110188 and analytical batch 880-110185 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: SS06 (880-58102-6). Elevated reporting limits (RLs) are provided.

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

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-110104 and analytical batch 880-110100 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Case Narrative

Client: Ensolum
Job ID: 880-58102-1
Project: Bandana Federal 12G CTB

Job ID: 880-58102-1 (Continued)
Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (880-58102-1) and SS02 (880-58102-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS04 (880-58102-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS05 (880-58102-5) and SS06 (880-58102-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS01

Lab Sample ID: 880-58102-1
Matrix: Solid

Date Collected: 05/13/25 09:02
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		05/14/25 08:43	05/14/25 16:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/14/25 08:43	05/14/25 16:01	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		05/14/25 08:43	05/14/25 16:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		05/14/25 08:43	05/14/25 16:01	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		05/14/25 08:43	05/14/25 16:01	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		05/14/25 08:43	05/14/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/14/25 08:43*	*05/14/25 16:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/14/25 08:43*	*05/14/25 16:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			05/14/25 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**287**		50.0	15.1	mg/Kg			05/19/25 13:09	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		05/15/25 13:24	05/19/25 13:09	1
Diesel Range Organics (Over C10-C28)	**287**		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 13:09	1
Total TPH	**287**		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 13:09*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/15/25 13:24*	*05/19/25 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**416**		9.96	0.393	mg/Kg			05/14/25 18:13	1

Client Sample ID: SS02

Lab Sample ID: 880-58102-2
Matrix: Solid

Date Collected: 05/13/25 09:04
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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		05/14/25 08:43	05/14/25 16:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:43	05/14/25 16:22	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 08:43	05/14/25 16:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		05/14/25 08:43	05/14/25 16:22	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 08:43	05/14/25 16:22	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		05/14/25 08:43	05/14/25 16:22	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS02

Lab Sample ID: 880-58102-2
Matrix: Solid

Date Collected: 05/13/25 09:04
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/14/25 08:43	05/14/25 16:22	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/14/25 08:43	05/14/25 16:22	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			05/14/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.9**	**J**	49.8	15.1	mg/Kg			05/19/25 14:55	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		05/15/25 13:24	05/19/25 14:55	1
Diesel Range Organics (Over C10-C28)	**39.9**	**J**	49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 14:55	1
Total TPH	**39.9**	**J**	49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/15/25 13:24	05/19/25 14:55	1
o-Terphenyl	125		70 - 130	05/15/25 13:24	05/19/25 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**305**		9.92	0.392	mg/Kg			05/14/25 18:35	1

Client Sample ID: SS03

Lab Sample ID: 880-58102-3
Matrix: Solid

Date Collected: 05/13/25 09:06
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		05/14/25 08:43	05/14/25 16:42	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/14/25 08:43	05/14/25 16:42	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		05/14/25 08:43	05/14/25 16:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 16:42	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		05/14/25 08:43	05/14/25 16:42	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/14/25 08:43	05/14/25 16:42	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/14/25 08:43	05/14/25 16:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			05/14/25 16:42	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS03

Lab Sample ID: 880-58102-3
Matrix: Solid

Date Collected: 05/13/25 09:06
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	153		50.0	15.1	mg/Kg			05/19/25 15:10	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		05/15/25 13:24	05/19/25 15:10	1
Diesel Range Organics (Over C10-C28)	153		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:10	1
Total TPH	153		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*05/15/25 13:24*	*05/19/25 15:10*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/15/25 13:24*	*05/19/25 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		10.1	0.398	mg/Kg			05/14/25 18:42	1

Client Sample ID: SS04

Lab Sample ID: 880-58102-4
Matrix: Solid

Date Collected: 05/13/25 10:50
Date Received: 05/13/25 15:26
Sample Depth: 0.5'

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		05/14/25 08:43	05/14/25 17:03	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:43	05/14/25 17:03	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 08:43	05/14/25 17:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		05/14/25 08:43	05/14/25 17:03	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 08:43	05/14/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		05/14/25 08:43	05/14/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/14/25 08:43*	*05/14/25 17:03*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/14/25 08:43*	*05/14/25 18:25*	*50*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/14/25 08:43*	*05/14/25 17:03*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:43*	*05/14/25 18:25*	*50*

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			05/14/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2340		49.9	15.1	mg/Kg			05/19/25 15:25	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	51.3		49.9	14.5	mg/Kg		05/15/25 13:24	05/19/25 15:25	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS04

Lab Sample ID: 880-58102-4
Matrix: Solid

Date Collected: 05/13/25 10:50
Date Received: 05/13/25 15:26
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	2290		49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:25	1
Total TPH	2340		49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*05/15/25 13:24*	*05/19/25 15:25*	*1*
o-Terphenyl	*171*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		9.94	0.393	mg/Kg			05/14/25 18:49	1

Client Sample ID: SS05

Lab Sample ID: 880-58102-5
Matrix: Solid

Date Collected: 05/13/25 09:08
Date Received: 05/13/25 15:26
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0957		0.0396	0.0276	mg/Kg		05/15/25 08:29	05/15/25 14:11	20
Toluene	1.10		0.0996	0.0996	mg/Kg		05/14/25 08:43	05/14/25 18:46	50
Ethylbenzene	1.10		0.0996	0.0542	mg/Kg		05/14/25 08:43	05/14/25 18:46	50
m-Xylene & p-Xylene	4.05		0.199	0.114	mg/Kg		05/14/25 08:43	05/14/25 18:46	50
o-Xylene	1.80		0.0996	0.0789	mg/Kg		05/14/25 08:43	05/14/25 18:46	50
Xylenes, Total	5.85		0.199	0.114	mg/Kg		05/14/25 08:43	05/14/25 18:46	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/14/25 08:43*	*05/14/25 18:46*	*50*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/14/25 08:43*	*05/14/25 18:46*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	8.15		0.199	0.114	mg/Kg			05/15/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3830		49.8	15.1	mg/Kg			05/19/25 15:40	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	366		49.8	14.5	mg/Kg		05/15/25 13:24	05/19/25 15:40	1
Diesel Range Organics (Over C10-C28)	3460		49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:40	1
Total TPH	3830		49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 15:40*	*1*
o-Terphenyl	*185*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 15:40*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS05

Lab Sample ID: 880-58102-5
Matrix: Solid

Date Collected: 05/13/25 09:08
Date Received: 05/13/25 15:26
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		49.8	1.97	mg/Kg			05/14/25 18:56	5

Client Sample ID: SS06

Lab Sample ID: 880-58102-6
Matrix: Solid

Date Collected: 05/13/25 09:10
Date Received: 05/13/25 15:26
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402	0.0280	mg/Kg		05/15/25 08:29	05/15/25 14:31	20
Toluene	0.142		0.0402	0.0401	mg/Kg		05/15/25 08:29	05/15/25 14:31	20
Ethylbenzene	0.297		0.0402	0.0219	mg/Kg		05/15/25 08:29	05/15/25 14:31	20
m-Xylene & p-Xylene	0.781		0.0803	0.0459	mg/Kg		05/15/25 08:29	05/15/25 14:31	20
o-Xylene	0.761		0.0402	0.0318	mg/Kg		05/15/25 08:29	05/15/25 14:31	20
Xylenes, Total	1.54		0.0803	0.0459	mg/Kg		05/15/25 08:29	05/15/25 14:31	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*05/15/25 08:29*	*05/15/25 14:31*	*20*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/15/25 08:29*	*05/15/25 14:31*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.98		0.0803	0.0459	mg/Kg			05/15/25 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5290		49.9	15.1	mg/Kg			05/19/25 15:55	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	201		49.9	14.5	mg/Kg		05/15/25 13:24	05/19/25 15:55	1
Diesel Range Organics (Over C10-C28)	5090		49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:55	1
Total TPH	5290		49.9	15.1	mg/Kg		05/15/25 13:24	05/19/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 15:55*	*1*
o-Terphenyl	*212*	*S1+*	*70 - 130*	*05/15/25 13:24*	*05/19/25 15:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4250		49.9	1.97	mg/Kg			05/14/25 19:17	5

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS07

Lab Sample ID: 880-58102-7
Matrix: Solid

Date Collected: 05/13/25 09:12
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		05/15/25 12:07	05/15/25 19:38	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/15/25 12:07	05/15/25 19:38	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		05/15/25 12:07	05/15/25 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		05/15/25 12:07	05/15/25 19:38	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		05/15/25 12:07	05/15/25 19:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		05/15/25 12:07	05/15/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/15/25 12:07*	*05/15/25 19:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/15/25 12:07*	*05/15/25 19:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			05/15/25 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**264**		49.8	15.1	mg/Kg			05/19/25 16:25	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		05/15/25 13:24	05/19/25 16:25	1
Diesel Range Organics (Over C10-C28)	**264**		49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:25	1
Total TPH	**264**		49.8	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/15/25 13:24*	*05/19/25 16:25*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/15/25 13:24*	*05/19/25 16:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		9.92	0.392	mg/Kg			05/14/25 19:24	1

Client Sample ID: SS08

Lab Sample ID: 880-58102-8
Matrix: Solid

Date Collected: 05/13/25 09:14
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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		05/14/25 08:43	05/14/25 17:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:43	05/14/25 17:23	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 08:43	05/14/25 17:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		05/14/25 08:43	05/14/25 17:23	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		05/14/25 08:43	05/14/25 17:23	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		05/14/25 08:43	05/14/25 17:23	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS08

Lab Sample ID: 880-58102-8
Matrix: Solid

Date Collected: 05/13/25 09:14
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/14/25 08:43	05/14/25 17:23	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/14/25 08:43	05/14/25 17:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			05/14/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.5**		50.0	15.1	mg/Kg			05/19/25 16:40	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		05/15/25 13:24	05/19/25 16:40	1
Diesel Range Organics (Over C10-C28)	**65.5**		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:40	1
Total TPH	**65.5**		50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	05/15/25 13:24	05/19/25 16:40	1
o-Terphenyl	120		70 - 130	05/15/25 13:24	05/19/25 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**219**		10.0	0.397	mg/Kg			05/14/25 19:31	1

Client Sample ID: SS10

Lab Sample ID: 880-58102-9
Matrix: Solid

Date Collected: 05/13/25 10:52
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		05/14/25 08:43	05/14/25 17:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/14/25 08:43	05/14/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		05/14/25 08:43	05/14/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		05/14/25 08:43	05/14/25 17:44	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		05/14/25 08:43	05/14/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		05/14/25 08:43	05/14/25 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/14/25 08:43	05/14/25 17:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/25 08:43	05/14/25 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			05/14/25 17:44	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS10

Lab Sample ID: 880-58102-9
Matrix: Solid

Date Collected: 05/13/25 10:52
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**92.9**		50.1	15.1	mg/Kg			05/14/25 19:02	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	<50.1	U	50.1	14.5	mg/Kg		05/14/25 09:46	05/14/25 19:02	1
Diesel Range Organics (Over C10-C28)	**92.9**		50.1	15.1	mg/Kg		05/14/25 09:46	05/14/25 19:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		05/14/25 09:46	05/14/25 19:02	1
Total TPH	**92.9**	**B**	50.1	15.1	mg/Kg		05/14/25 09:46	05/14/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/14/25 09:46*	*05/14/25 19:02*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/14/25 09:46*	*05/14/25 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		10.1	0.399	mg/Kg			05/14/25 19:38	1

Client Sample ID: SS11

Lab Sample ID: 880-58102-10
Matrix: Solid

Date Collected: 05/13/25 10:54
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		05/14/25 08:43	05/14/25 18:04	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/14/25 08:43	05/14/25 18:04	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		05/14/25 08:43	05/14/25 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		05/14/25 08:43	05/14/25 18:04	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		05/14/25 08:43	05/14/25 18:04	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		05/14/25 08:43	05/14/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/14/25 08:43*	*05/14/25 18:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/14/25 08:43*	*05/14/25 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			05/14/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**105**		50.1	15.2	mg/Kg			05/14/25 19:50	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	<50.1	U	50.1	14.6	mg/Kg		05/14/25 09:46	05/14/25 19:50	1
Diesel Range Organics (Over C10-C28)	**105**		50.1	15.2	mg/Kg		05/14/25 09:46	05/14/25 19:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		05/14/25 09:46	05/14/25 19:50	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS11

Lab Sample ID: 880-58102-10
Matrix: Solid

Date Collected: 05/13/25 10:54
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	105	B	50.1	15.2	mg/Kg		05/14/25 09:46	05/14/25 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/14/25 09:46	05/14/25 19:50	1
o-Terphenyl	89		70 - 130	05/14/25 09:46	05/14/25 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		9.94	0.393	mg/Kg			05/14/25 19:45	1

Client Sample ID: SS12

Lab Sample ID: 880-58102-11
Matrix: Solid

Date Collected: 05/13/25 10:56
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		05/14/25 11:47	05/15/25 04:23	1
Toluene	<0.00198	U *-	0.00198	0.00198	mg/Kg		05/14/25 11:47	05/15/25 04:23	1
Ethylbenzene	<0.00198	U *-	0.00198	0.00108	mg/Kg		05/14/25 11:47	05/15/25 04:23	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396	0.00226	mg/Kg		05/14/25 11:47	05/15/25 04:23	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		05/14/25 11:47	05/15/25 04:23	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		05/14/25 11:47	05/15/25 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/14/25 11:47	05/15/25 04:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/25 11:47	05/15/25 04:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			05/15/25 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.3		50.0	15.1	mg/Kg			05/14/25 20:06	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	<50.0	U	50.0	14.5	mg/Kg		05/14/25 09:46	05/14/25 20:06	1
Diesel Range Organics (Over C10-C28)	51.3		50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 20:06	1
Total TPH	51.3	B	50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/14/25 09:46	05/14/25 20:06	1
o-Terphenyl	85		70 - 130	05/14/25 09:46	05/14/25 20:06	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS12

Lab Sample ID: 880-58102-11
Matrix: Solid

Date Collected: 05/13/25 10:56
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		9.98	0.394	mg/Kg			05/14/25 19:52	1

Client Sample ID: SS15

Lab Sample ID: 880-58102-12
Matrix: Solid

Date Collected: 05/13/25 11:00
Date Received: 05/13/25 15:26
Sample Depth: 0.25'

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		05/14/25 11:47	05/15/25 04:44	1
Toluene	<0.00200	U *-	0.00200	0.00200	mg/Kg		05/14/25 11:47	05/15/25 04:44	1
Ethylbenzene	<0.00200	U *-	0.00200	0.00109	mg/Kg		05/14/25 11:47	05/15/25 04:44	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399	0.00228	mg/Kg		05/14/25 11:47	05/15/25 04:44	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 11:47	05/15/25 04:44	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		05/14/25 11:47	05/15/25 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/14/25 11:47*	*05/15/25 04:44*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 11:47*	*05/15/25 04:44*	*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			05/15/25 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**32.1**	**J**	49.7	15.0	mg/Kg			05/14/25 20:22	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	<49.7	U	49.7	14.4	mg/Kg		05/14/25 09:46	05/14/25 20:22	1
Diesel Range Organics (Over C10-C28)	**32.1**	**J**	49.7	15.0	mg/Kg		05/14/25 09:46	05/14/25 20:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		05/14/25 09:46	05/14/25 20:22	1
Total TPH	**32.1**	**J B**	49.7	15.0	mg/Kg		05/14/25 09:46	05/14/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/14/25 09:46*	*05/14/25 20:22*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/14/25 09:46*	*05/14/25 20:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**214**		9.92	0.392	mg/Kg			05/14/25 20:14	1

Surrogate Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58102-1	SS01	93	101
880-58102-2	SS02	94	82
880-58102-3	SS03	87	92
880-58102-4	SS04	88	96
880-58102-4	SS04	118	97
880-58102-5	SS05	149 S1+	102
880-58102-6	SS06	190 S1+	99
880-58102-7	SS07	115	102
880-58102-8	SS08	89	96
880-58102-9	SS10	88	94
880-58102-10	SS11	88	92
880-58102-11	SS12	86	94
880-58102-12	SS15	94	99
LCS 880-110097/1-A	Lab Control Sample	105	97
LCS 880-110128/1-A	Lab Control Sample	106	102
LCS 880-110130/1-A	Lab Control Sample	99	95
LCS 880-110188/1-A	Lab Control Sample	108	89
LCSD 880-110097/2-A	Lab Control Sample Dup	95	86
LCSD 880-110128/2-A	Lab Control Sample Dup	104	99
LCSD 880-110130/2-A	Lab Control Sample Dup	104	102
LCSD 880-110188/2-A	Lab Control Sample Dup	111	101
MB 880-110097/5-A	Method Blank	88	94
MB 880-110128/5-A	Method Blank	85	90
MB 880-110130/5-A	Method Blank	156 S1+	98
MB 880-110188/5-A	Method Blank	90	98

Percent Surrogate Recovery (Acceptance Limits)

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	1CO1 (70-130)	OTPH1 (70-130)
880-58102-1	SS01	133 S1+	128
880-58102-1 MS	SS01	81	72
880-58102-1 MSD	SS01	81	72
880-58102-2	SS02	135 S1+	125
880-58102-3	SS03	129	125
880-58102-4	SS04	130	171 S1+
880-58102-5	SS05	155 S1+	185 S1+
880-58102-6	SS06	140 S1+	212 S1+
880-58102-7	SS07	117	120
880-58102-8	SS08	124	120
880-58102-9	SS10	91	87
880-58102-9 MS	SS10	94	86
880-58102-9 MSD	SS10	95	86
880-58102-10	SS11	91	89

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Summary

Client: Ensolum
Job ID: 880-58102-1
Project/Site: Bandana Federal 12G CTB
SDG: Lea County

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)								
880-58102-11	SS12	87	85								
880-58102-12	SS15	88	85								
LCS 880-110104/2-A	Lab Control Sample	105	111								
LCS 880-110243/2-A	Lab Control Sample	86	77								
LCSD 880-110104/3-A	Lab Control Sample Dup	123	109								
LCSD 880-110243/3-A	Lab Control Sample Dup	85	75								
MB 880-110104/1-A	Method Blank	85	86								
MB 880-110243/1-A	Method Blank	108	99								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110097/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110097**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 08:43	05/14/25 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/14/25 08:43*	*05/14/25 11:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/14/25 08:43*	*05/14/25 11:10*	*1*

Lab Sample ID: LCS 880-110097/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110097**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08382		mg/Kg		84	70 - 130
Toluene	0.100	0.08415		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.09934		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1874		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09126		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-110097/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110097**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07108		mg/Kg		71	70 - 130	16	35
Toluene	0.100	0.07363		mg/Kg		74	70 - 130	13	35
Ethylbenzene	0.100	0.09242		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1685		mg/Kg		84	70 - 130	11	35
o-Xylene	0.100	0.08147		mg/Kg		81	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: MB 880-110128/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110128**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 11:47	05/14/25 21:50	1

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Lab Sample ID: MB 880-110128/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110128**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 11:47	05/14/25 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/14/25 11:47*	*05/14/25 21:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/14/25 11:47*	*05/14/25 21:50*	*1*

Lab Sample ID: LCS 880-110128/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110128**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07097		mg/Kg		71	70 - 130
Toluene	0.100	0.06565	*-	mg/Kg		66	70 - 130
Ethylbenzene	0.100	0.06730	*-	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	0.200	0.1329	*-	mg/Kg		66	70 - 130
o-Xylene	0.100	0.07694		mg/Kg		77	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-110128/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110128**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07362		mg/Kg		74	70 - 130	4	35
Toluene	0.100	0.06767	*-	mg/Kg		68	70 - 130	3	35
Ethylbenzene	0.100	0.07145		mg/Kg		71	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1538		mg/Kg		77	70 - 130	15	35
o-Xylene	0.100	0.07728		mg/Kg		77	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-110130/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110186 — **Prep Batch: 110130**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/14/25 12:07	05/15/25 13:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 12:07	05/15/25 13:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/14/25 12:07	05/15/25 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 12:07	05/15/25 13:13	1

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Lab Sample ID: MB 880-110130/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110186 — **Prep Batch: 110130**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/14/25 12:07	05/15/25 13:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		05/14/25 12:07	05/15/25 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*05/14/25 12:07*	*05/15/25 13:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/25 12:07*	*05/15/25 13:13*	*1*

Lab Sample ID: LCS 880-110130/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110186 — **Prep Batch: 110130**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09798		mg/Kg		98	70 - 130
Toluene	0.100	0.08366		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1763		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08583		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-110130/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110186 — **Prep Batch: 110130**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09049		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08137		mg/Kg		81	70 - 130	3	35
Ethylbenzene	0.100	0.08532		mg/Kg		85	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1746		mg/Kg		87	70 - 130	1	35
o-Xylene	0.100	0.09010		mg/Kg		90	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-110188/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110185 — **Prep Batch: 110188**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		05/15/25 08:29	05/15/25 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		05/15/25 08:29	05/15/25 11:05	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		05/15/25 08:29	05/15/25 11:05	1

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/15/25 08:29	05/15/25 11:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/15/25 08:29	05/15/25 11:05	1

Lab Sample ID: LCS 880-110188/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110185 — **Prep Batch: 110188**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07612		mg/Kg		76	70 - 130
Toluene	0.100	0.08219		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.09630		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08678		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-110188/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110185 — **Prep Batch: 110188**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09033		mg/Kg		90	70 - 130	17	35
Toluene	0.100	0.08533		mg/Kg		85	70 - 130	4	35
Ethylbenzene	0.100	0.08961		mg/Kg		90	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1713		mg/Kg		86	70 - 130	5	35
o-Xylene	0.100	0.09693		mg/Kg		97	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-110104/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110100 — **Prep Batch: 110104**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.01	J	50.0	14.5	mg/Kg		05/14/25 09:46	05/14/25 18:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 18:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 18:13	1
Total TPH	21.01	J	50.0	15.1	mg/Kg		05/14/25 09:46	05/14/25 18:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	05/14/25 09:46	05/14/25 18:13	1
o-Terphenyl	86		70 - 130	05/14/25 09:46	05/14/25 18:13	1

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Lab Sample ID: LCS 880-110104/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110100 — **Prep Batch: 110104**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	878.9		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.9		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-110104/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110100 — **Prep Batch: 110104**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	871.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	873.7		mg/Kg		87	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 880-58102-9 MS — **Client Sample ID: SS10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110100 — **Prep Batch: 110104**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	713.8		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	92.9		998	817.7		mg/Kg		73	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: 880-58102-9 MSD — **Client Sample ID: SS10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110100 — **Prep Batch: 110104**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	727.5		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	92.9		998	818.9		mg/Kg		73	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Lab Sample ID: 880-58102-9 MSD
Matrix: Solid
Analysis Batch: 110100

Client Sample ID: SS10
Prep Type: Total/NA
Prep Batch: 110104

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	86		70 - 130

Lab Sample ID: MB 880-110243/1-A
Matrix: Solid
Analysis Batch: 110442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110243

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		05/15/25 13:24	05/19/25 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 10:20	1
Total TPH	<50.0	U	50.0	15.1	mg/Kg		05/15/25 13:24	05/19/25 10:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/15/25 13:24	05/19/25 10:20	1
o-Terphenyl	99		70 - 130	05/15/25 13:24	05/19/25 10:20	1

Lab Sample ID: LCS 880-110243/2-A
Matrix: Solid
Analysis Batch: 110442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1098		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986.8		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: LCSD 880-110243/3-A
Matrix: Solid
Analysis Batch: 110442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1104		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	985.8		mg/Kg		99	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

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

Lab Sample ID: 880-58102-1 MS
Matrix: Solid
Analysis Batch: 110442

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 110243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1127		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	287		999	1038		mg/Kg		75	70 - 130

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

Lab Sample ID: 880-58102-1 MSD
Matrix: Solid
Analysis Batch: 110442

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 110243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1118		mg/Kg		112	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	287		999	1052		mg/Kg		77	70 - 130	1	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110121/1-A
Matrix: Solid
Analysis Batch: 110146

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			05/14/25 17:52	1

Lab Sample ID: LCS 880-110121/2-A
Matrix: Solid
Analysis Batch: 110146

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-110121/3-A
Matrix: Solid
Analysis Batch: 110146

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.7		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-58102-1 MS
Matrix: Solid
Analysis Batch: 110146

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	416		249	668.8		mg/Kg		102	90 - 110		

Lab Sample ID: 880-58102-1 MSD
Matrix: Solid
Analysis Batch: 110146

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	416		249	668.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-58102-11 MS
Matrix: Solid
Analysis Batch: 110146

Client Sample ID: SS12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	119		250	385.1		mg/Kg		106	90 - 110		

Lab Sample ID: 880-58102-11 MSD
Matrix: Solid
Analysis Batch: 110146

Client Sample ID: SS12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		250	384.8		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

GC VOA

Analysis Batch: 110089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	8021B	110097
880-58102-2	SS02	Total/NA	Solid	8021B	110097
880-58102-3	SS03	Total/NA	Solid	8021B	110097
880-58102-4	SS04	Total/NA	Solid	8021B	110097
880-58102-4	SS04	Total/NA	Solid	8021B	110097
880-58102-5	SS05	Total/NA	Solid	8021B	110097
880-58102-8	SS08	Total/NA	Solid	8021B	110097
880-58102-9	SS10	Total/NA	Solid	8021B	110097
880-58102-10	SS11	Total/NA	Solid	8021B	110097
880-58102-11	SS12	Total/NA	Solid	8021B	110128
880-58102-12	SS15	Total/NA	Solid	8021B	110128
MB 880-110097/5-A	Method Blank	Total/NA	Solid	8021B	110097
MB 880-110128/5-A	Method Blank	Total/NA	Solid	8021B	110128
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	8021B	110097
LCS 880-110128/1-A	Lab Control Sample	Total/NA	Solid	8021B	110128
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110097
LCSD 880-110128/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110128

Prep Batch: 110097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	5035	
880-58102-2	SS02	Total/NA	Solid	5035	
880-58102-3	SS03	Total/NA	Solid	5035	
880-58102-4	SS04	Total/NA	Solid	5035	
880-58102-4	SS04	Total/NA	Solid	5035	
880-58102-5	SS05	Total/NA	Solid	5035	
880-58102-8	SS08	Total/NA	Solid	5035	
880-58102-9	SS10	Total/NA	Solid	5035	
880-58102-10	SS11	Total/NA	Solid	5035	
MB 880-110097/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 110128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-11	SS12	Total/NA	Solid	5035	
880-58102-12	SS15	Total/NA	Solid	5035	
MB 880-110128/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110128/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110128/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 110130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-7	SS07	Total/NA	Solid	5035	
MB 880-110130/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110130/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110130/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 110185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-5	SS05	Total/NA	Solid	8021B	110188

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 110185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-6	SS06	Total/NA	Solid	8021B	110188
MB 880-110188/5-A	Method Blank	Total/NA	Solid	8021B	110188
LCS 880-110188/1-A	Lab Control Sample	Total/NA	Solid	8021B	110188
LCSD 880-110188/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110188

Analysis Batch: 110186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-7	SS07	Total/NA	Solid	8021B	110130
MB 880-110130/5-A	Method Blank	Total/NA	Solid	8021B	110130
LCS 880-110130/1-A	Lab Control Sample	Total/NA	Solid	8021B	110130
LCSD 880-110130/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110130

Prep Batch: 110188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-5	SS05	Total/NA	Solid	5035	
880-58102-6	SS06	Total/NA	Solid	5035	
MB 880-110188/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110188/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110188/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 110202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	Total BTEX	
880-58102-2	SS02	Total/NA	Solid	Total BTEX	
880-58102-3	SS03	Total/NA	Solid	Total BTEX	
880-58102-4	SS04	Total/NA	Solid	Total BTEX	
880-58102-5	SS05	Total/NA	Solid	Total BTEX	
880-58102-6	SS06	Total/NA	Solid	Total BTEX	
880-58102-7	SS07	Total/NA	Solid	Total BTEX	
880-58102-8	SS08	Total/NA	Solid	Total BTEX	
880-58102-9	SS10	Total/NA	Solid	Total BTEX	
880-58102-10	SS11	Total/NA	Solid	Total BTEX	
880-58102-11	SS12	Total/NA	Solid	Total BTEX	
880-58102-12	SS15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 110100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-9	SS10	Total/NA	Solid	8015B NM	110104
880-58102-10	SS11	Total/NA	Solid	8015B NM	110104
880-58102-11	SS12	Total/NA	Solid	8015B NM	110104
880-58102-12	SS15	Total/NA	Solid	8015B NM	110104
MB 880-110104/1-A	Method Blank	Total/NA	Solid	8015B NM	110104
LCS 880-110104/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110104
LCSD 880-110104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110104
880-58102-9 MS	SS10	Total/NA	Solid	8015B NM	110104
880-58102-9 MSD	SS10	Total/NA	Solid	8015B NM	110104

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

GC Semi VOA

Prep Batch: 110104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-9	SS10	Total/NA	Solid	8015NM Prep	
880-58102-10	SS11	Total/NA	Solid	8015NM Prep	
880-58102-11	SS12	Total/NA	Solid	8015NM Prep	
880-58102-12	SS15	Total/NA	Solid	8015NM Prep	
MB 880-110104/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110104/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58102-9 MS	SS10	Total/NA	Solid	8015NM Prep	
880-58102-9 MSD	SS10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	8015 NM	
880-58102-2	SS02	Total/NA	Solid	8015 NM	
880-58102-3	SS03	Total/NA	Solid	8015 NM	
880-58102-4	SS04	Total/NA	Solid	8015 NM	
880-58102-5	SS05	Total/NA	Solid	8015 NM	
880-58102-6	SS06	Total/NA	Solid	8015 NM	
880-58102-7	SS07	Total/NA	Solid	8015 NM	
880-58102-8	SS08	Total/NA	Solid	8015 NM	
880-58102-9	SS10	Total/NA	Solid	8015 NM	
880-58102-10	SS11	Total/NA	Solid	8015 NM	
880-58102-11	SS12	Total/NA	Solid	8015 NM	
880-58102-12	SS15	Total/NA	Solid	8015 NM	

Prep Batch: 110243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	8015NM Prep	
880-58102-2	SS02	Total/NA	Solid	8015NM Prep	
880-58102-3	SS03	Total/NA	Solid	8015NM Prep	
880-58102-4	SS04	Total/NA	Solid	8015NM Prep	
880-58102-5	SS05	Total/NA	Solid	8015NM Prep	
880-58102-6	SS06	Total/NA	Solid	8015NM Prep	
880-58102-7	SS07	Total/NA	Solid	8015NM Prep	
880-58102-8	SS08	Total/NA	Solid	8015NM Prep	
MB 880-110243/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110243/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110243/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58102-1 MS	SS01	Total/NA	Solid	8015NM Prep	
880-58102-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Total/NA	Solid	8015B NM	110243
880-58102-2	SS02	Total/NA	Solid	8015B NM	110243
880-58102-3	SS03	Total/NA	Solid	8015B NM	110243
880-58102-4	SS04	Total/NA	Solid	8015B NM	110243
880-58102-5	SS05	Total/NA	Solid	8015B NM	110243
880-58102-6	SS06	Total/NA	Solid	8015B NM	110243
880-58102-7	SS07	Total/NA	Solid	8015B NM	110243
880-58102-8	SS08	Total/NA	Solid	8015B NM	110243

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 110442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-110243/1-A	Method Blank	Total/NA	Solid	8015B NM	110243
LCS 880-110243/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110243
LCSD 880-110243/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110243
880-58102-1 MS	SS01	Total/NA	Solid	8015B NM	110243
880-58102-1 MSD	SS01	Total/NA	Solid	8015B NM	110243

HPLC/IC

Leach Batch: 110121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Soluble	Solid	DI Leach	
880-58102-2	SS02	Soluble	Solid	DI Leach	
880-58102-3	SS03	Soluble	Solid	DI Leach	
880-58102-4	SS04	Soluble	Solid	DI Leach	
880-58102-5	SS05	Soluble	Solid	DI Leach	
880-58102-6	SS06	Soluble	Solid	DI Leach	
880-58102-7	SS07	Soluble	Solid	DI Leach	
880-58102-8	SS08	Soluble	Solid	DI Leach	
880-58102-9	SS10	Soluble	Solid	DI Leach	
880-58102-10	SS11	Soluble	Solid	DI Leach	
880-58102-11	SS12	Soluble	Solid	DI Leach	
880-58102-12	SS15	Soluble	Solid	DI Leach	
MB 880-110121/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110121/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110121/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58102-1 MS	SS01	Soluble	Solid	DI Leach	
880-58102-1 MSD	SS01	Soluble	Solid	DI Leach	
880-58102-11 MS	SS12	Soluble	Solid	DI Leach	
880-58102-11 MSD	SS12	Soluble	Solid	DI Leach	

Analysis Batch: 110146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58102-1	SS01	Soluble	Solid	300.0	110121
880-58102-2	SS02	Soluble	Solid	300.0	110121
880-58102-3	SS03	Soluble	Solid	300.0	110121
880-58102-4	SS04	Soluble	Solid	300.0	110121
880-58102-5	SS05	Soluble	Solid	300.0	110121
880-58102-6	SS06	Soluble	Solid	300.0	110121
880-58102-7	SS07	Soluble	Solid	300.0	110121
880-58102-8	SS08	Soluble	Solid	300.0	110121
880-58102-9	SS10	Soluble	Solid	300.0	110121
880-58102-10	SS11	Soluble	Solid	300.0	110121
880-58102-11	SS12	Soluble	Solid	300.0	110121
880-58102-12	SS15	Soluble	Solid	300.0	110121
MB 880-110121/1-A	Method Blank	Soluble	Solid	300.0	110121
LCS 880-110121/2-A	Lab Control Sample	Soluble	Solid	300.0	110121
LCSD 880-110121/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110121
880-58102-1 MS	SS01	Soluble	Solid	300.0	110121
880-58102-1 MSD	SS01	Soluble	Solid	300.0	110121
880-58102-11 MS	SS12	Soluble	Solid	300.0	110121
880-58102-11 MSD	SS12	Soluble	Solid	300.0	110121

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS01
Lab Sample ID: 880-58102-1
Date Collected: 05/13/25 09:02
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 16:01
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 16:01
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 13:09
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 13:09
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 18:13

Client Sample ID: SS02
Lab Sample ID: 880-58102-2
Date Collected: 05/13/25 09:04
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 16:22
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 16:22
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 14:55
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 14:55
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 18:35

Client Sample ID: SS03
Lab Sample ID: 880-58102-3
Date Collected: 05/13/25 09:06
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 16:42
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 16:42
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 15:10
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 15:10
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 18:42

Client Sample ID: SS04
Lab Sample ID: 880-58102-4
Date Collected: 05/13/25 10:50
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 17:03

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS04
Date Collected: 05/13/25 10:50
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		50	110089	MNR	EET MID	05/14/25 18:25
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 17:03
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 15:25
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 15:25
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 18:49

Client Sample ID: SS05
Date Collected: 05/13/25 09:08
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		50	110089	MNR	EET MID	05/14/25 18:46
Total/NA	Prep	5035			110188	AA	EET MID	05/15/25 08:29
Total/NA	Analysis	8021B		20	110185	MNR	EET MID	05/15/25 14:11
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/15/25 14:11
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 15:40
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 15:40
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		5	110146	CH	EET MID	05/14/25 18:56

Client Sample ID: SS06
Date Collected: 05/13/25 09:10
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110188	AA	EET MID	05/15/25 08:29
Total/NA	Analysis	8021B		20	110185	MNR	EET MID	05/15/25 14:31
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/15/25 14:31
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 15:55
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 15:55
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		5	110146	CH	EET MID	05/14/25 19:17

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS07
Lab Sample ID: 880-58102-7
Date Collected: 05/13/25 09:12
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110130	MNR	EET MID	05/15/25 12:07
Total/NA	Analysis	8021B		1	110186	MNR	EET MID	05/15/25 19:38
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/15/25 19:38
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 16:25
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 16:25
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 19:24

Client Sample ID: SS08
Lab Sample ID: 880-58102-8
Date Collected: 05/13/25 09:14
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 17:23
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 17:23
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/19/25 16:40
Total/NA	Prep	8015NM Prep			110243	EL	EET MID	05/15/25 13:24
Total/NA	Analysis	8015B NM		1	110442	TKC	EET MID	05/19/25 16:40
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 19:31

Client Sample ID: SS10
Lab Sample ID: 880-58102-9
Date Collected: 05/13/25 10:52
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 17:44
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 17:44
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/14/25 19:02
Total/NA	Prep	8015NM Prep			110104	FC	EET MID	05/14/25 09:46
Total/NA	Analysis	8015B NM		1	110100	TKC	EET MID	05/14/25 19:02
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 19:38

Client Sample ID: SS11
Lab Sample ID: 880-58102-10
Date Collected: 05/13/25 10:54
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110097	MNR	EET MID	05/14/25 08:43
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/14/25 18:04
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/14/25 18:04

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Client Sample ID: SS11

Lab Sample ID: 880-58102-10
Date Collected: 05/13/25 10:54
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/14/25 19:50
Total/NA	Prep	8015NM Prep			110104	FC	EET MID	05/14/25 09:46
Total/NA	Analysis	8015B NM		1	110100	TKC	EET MID	05/14/25 19:50
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 19:45

Client Sample ID: SS12

Lab Sample ID: 880-58102-11
Date Collected: 05/13/25 10:56
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110128	MNR	EET MID	05/14/25 11:47
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/15/25 04:23
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/15/25 04:23
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/14/25 20:06
Total/NA	Prep	8015NM Prep			110104	FC	EET MID	05/14/25 09:46
Total/NA	Analysis	8015B NM		1	110100	TKC	EET MID	05/14/25 20:06
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 19:52

Client Sample ID: SS15

Lab Sample ID: 880-58102-12
Date Collected: 05/13/25 11:00
Matrix: Solid
Date Received: 05/13/25 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			110128	MNR	EET MID	05/14/25 11:47
Total/NA	Analysis	8021B		1	110089	MNR	EET MID	05/15/25 04:44
Total/NA	Analysis	Total BTEX		1	110202	SM	EET MID	05/15/25 04:44
Total/NA	Analysis	8015 NM		1	110228	SM	EET MID	05/14/25 20:22
Total/NA	Prep	8015NM Prep			110104	FC	EET MID	05/14/25 09:46
Total/NA	Analysis	8015B NM		1	110100	TKC	EET MID	05/14/25 20:22
Soluble	Leach	DI Leach			110121	SA	EET MID	05/14/25 11:25
Soluble	Analysis	300.0		1	110146	CH	EET MID	05/14/25 20:14

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 880-58102-1
Project/Site: Bandana Federal 12G CTB
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-58102-1	SS01	Solid	05/13/25 09:02	05/13/25 15:26	0.25'
880-58102-2	SS02	Solid	05/13/25 09:04	05/13/25 15:26	0.25'
880-58102-3	SS03	Solid	05/13/25 09:06	05/13/25 15:26	0.25'
880-58102-4	SS04	Solid	05/13/25 10:50	05/13/25 15:26	0.5'
880-58102-5	SS05	Solid	05/13/25 09:08	05/13/25 15:26	0.5'
880-58102-6	SS06	Solid	05/13/25 09:10	05/13/25 15:26	0.5'
880-58102-7	SS07	Solid	05/13/25 09:12	05/13/25 15:26	0.25'
880-58102-8	SS08	Solid	05/13/25 09:14	05/13/25 15:26	0.25'
880-58102-9	SS10	Solid	05/13/25 10:52	05/13/25 15:26	0.25'
880-58102-10	SS11	Solid	05/13/25 10:54	05/13/25 15:26	0.25'
880-58102-11	SS12	Solid	05/13/25 10:56	05/13/25 15:26	0.25'
880-58102-12	SS15	Solid	05/13/25 11:00	05/13/25 15:26	0.25'

Released to Imaging: 10/7/2025 10:28:58 AM

Received by OCD: 8/26/2025 9:39:44 AM

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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

880-58102 Chain of Custody

of 2

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

Work Order Comments

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

Project Name:	Bandana Federal 126 CTB	Turn Around	
Project Number:	03D2024352	☐ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Tabitha Guardian	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	03D2024352		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-0.9
Total Containers:		Corrected Temperature:	-1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021	TPH 8015	Chlorides 300	Sample Comments
SS01	S	5/13/25	0902	0.25'	G	1	X	X	X	
SS02			0904	0.25'			X	X	X	
SS03			0906	0.25'			X	X	X	
SS04			1050	0.5'			X	X	X	
SS05			0908	0.5'			X	X	X	
SS06			0910	0.5'			X	X	X	
SS07			0912	0.25'			X	X	X	
SS08			0914	0.25'			X	X	X	
SS10			1052	0.25'			X	X	X	
SS11			1054	0.25'			X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/13/25 1526	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 10/7/2025 10:28:58 AM

Received by OCD: 8/26/2025 9:39:44 AM

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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

Work Order No: _____

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	Bandana Federal 12G CTB	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024352		
Project Location:	Lea County	Due Date:	
Sampler's Name:	Tabitha Gucedian	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	03D2024352		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021	TPH 8015	Chlorides 300	Sample Comments
SS12	S	5/13/25	1056	0.25'	G	1	X	X	X	
SS15	S	5/13/25	1100	0.25'	G	1	X	X	X	

5/13/25 TNG

NFE

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/13/25 1520	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-58102-1
SDG Number: Lea County

Login Number: 58102
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/15/2025 6:29:03 PM

JOB DESCRIPTION

BANDANA FEDERAL 12G CTB
03D2024352

JOB NUMBER

890-8437-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 10/7/2025 10:28:38 AM

my EOL

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

JKRAMER

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7/15/2025 6:29:03 PM

Authorized for release by
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Definitions/Glossary

Client: Ensolum
Job ID: 890-8437-1
Project/Site: BANDANA FEDERAL 12G CTB
SDG: 03D2024352

Qualifiers

GC VOA

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

GC Semi VOA

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

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: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1

Job ID: 890-8437-1 Eurofins Carlsbad

Job Narrative
890-8437-1

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

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

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

Receipt
The samples were received on 7/10/2025 12:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-8437-1), FS02 (890-8437-2), FS03 (890-8437-3), FS04 (890-8437-4), FS05 (890-8437-5), FS06 (890-8437-6), FS07 (890-8437-7), FS08 (890-8437-8), FS-09 (890-8437-9), FS10 (890-8437-10), FS11 (890-8437-11), FS12 (890-8437-12), FS13 (890-8437-13), FS14 (890-8437-14), FS15 (890-8437-15), FS16 (890-8437-16), FS17 (890-8437-17), FS18 (890-8437-18), FS19 (890-8437-19), FS20 (890-8437-20), FS21 (890-8437-21), FS22 (890-8437-22), FS23 (890-8437-23), FS24 (890-8437-24), FS25 (890-8437-25), FS26 (890-8437-26), FS27 (890-8437-27), FS28 (890-8437-28), FS29 (890-8437-29), FS30 (890-8437-30), FS31 (890-8437-31), FS32 (890-8437-32), FS33 (890-8437-33), FS34 (890-8437-34), FS35 (890-8437-35), SW01 (890-8437-36), SW02 (890-8437-37), SW03 (890-8437-38) and SW04 (890-8437-39).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-113953 and analytical batch 880-113946 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-113952 and analytical batch 880-113948 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS15 (890-8437-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: FS35 (890-8437-35). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-113942 and analytical batch 880-114088 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-113943 and analytical batch 880-114090 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-113943/2-A) and (LCSD 880-113943/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Ensolum
Job ID: 890-8437-1
Project: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1 (Continued)
Eurofins Carlsbad

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-60318-A-11-A) and (880-60318-A-11-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113928 and analytical batch 880-113990 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113927 and analytical batch 880-113992 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.

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS01

Lab Sample ID: 890-8437-1
Matrix: Solid

Date Collected: 07/09/25 09:09
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 12:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 12:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 12:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 12:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 12:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*07/11/25 08:35*	*07/11/25 12:04*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/11/25 08:35*	*07/11/25 12:04*	*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			07/11/25 12:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			07/14/25 23:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/11/25 07:54	07/14/25 23:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/11/25 07:54	07/14/25 23:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/11/25 07:54	07/14/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:03*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.6**		9.96	mg/Kg			07/11/25 12:48	1

Client Sample ID: FS02

Lab Sample ID: 890-8437-2
Matrix: Solid

Date Collected: 07/09/25 09:10
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 12:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 12:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/11/25 08:35*	*07/11/25 12:25*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS02

Lab Sample ID: 890-8437-2
Matrix: Solid

Date Collected: 07/09/25 09:10
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	115		70 - 130	07/11/25 08:35	07/11/25 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 12:25	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			07/14/25 23:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/14/25 23:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/14/25 23:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/14/25 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/11/25 07:54	07/14/25 23:19	1
o-Terphenyl	103		70 - 130	07/11/25 07:54	07/14/25 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.5**		9.92	mg/Kg			07/11/25 13:10	1

Client Sample ID: FS03

Lab Sample ID: 890-8437-3
Matrix: Solid

Date Collected: 07/09/25 09:11
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 12:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/11/25 08:35	07/11/25 12:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 12:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/11/25 08:35	07/11/25 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/11/25 08:35	07/11/25 12:45	1
1,4-Difluorobenzene (Surr)	119		70 - 130	07/11/25 08:35	07/11/25 12:45	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			07/11/25 12:45	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			07/14/25 23:35	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS03

Lab Sample ID: 890-8437-3
Matrix: Solid

Date Collected: 07/09/25 09:11
Date Received: 07/10/25 12:38
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		07/11/25 07:54	07/14/25 23:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/14/25 23:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/14/25 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:35*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		10.0	mg/Kg			07/11/25 13:17	1

Client Sample ID: FS04

Lab Sample ID: 890-8437-4
Matrix: Solid

Date Collected: 07/09/25 09:12
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 13:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 13:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 13:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 13:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 13:06	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:06*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/14/25 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	<49.9	U	49.9	mg/Kg		07/11/25 07:54	07/14/25 23:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/11/25 07:54	07/14/25 23:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:54	07/14/25 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:50*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/11/25 07:54*	*07/14/25 23:50*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS04

Lab Sample ID: 890-8437-4
Matrix: Solid

Date Collected: 07/09/25 09:12
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		10.0	mg/Kg			07/11/25 13:24	1

Client Sample ID: FS05

Lab Sample ID: 890-8437-5
Matrix: Solid

Date Collected: 07/09/25 09:13
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 13:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 13:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 13:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 13:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 13:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:26*	*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			07/11/25 13:26	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			07/15/25 00:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 00:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 00:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:07*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		10.1	mg/Kg			07/11/25 13:32	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS06

Lab Sample ID: 890-8437-6
Matrix: Solid

Date Collected: 07/09/25 09:14
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 13:47	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 13:47	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 13:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 13:47	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 13:47	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:47*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*07/11/25 08:35*	*07/11/25 13:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/11/25 13:47	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			07/15/25 00:22	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	49.9	mg/Kg		07/11/25 07:54	07/15/25 00:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/11/25 07:54	07/15/25 00:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:54	07/15/25 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:22*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.5**		10.1	mg/Kg			07/11/25 13:53	1

Client Sample ID: FS07

Lab Sample ID: 890-8437-7
Matrix: Solid

Date Collected: 07/09/25 09:15
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 14:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 14:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 14:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 14:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 14:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/11/25 08:35*	*07/11/25 14:07*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS07

Lab Sample ID: 890-8437-7
Matrix: Solid

Date Collected: 07/09/25 09:15
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	116		70 - 130	07/11/25 08:35	07/11/25 14:07	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			07/11/25 14:07	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			07/15/25 00:38	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		07/11/25 07:54	07/15/25 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/15/25 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/15/25 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/11/25 07:54	07/15/25 00:38	1
o-Terphenyl	102		70 - 130	07/11/25 07:54	07/15/25 00:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.5**		9.94	mg/Kg			07/11/25 14:00	1

Client Sample ID: FS08

Lab Sample ID: 890-8437-8
Matrix: Solid

Date Collected: 07/09/25 09:15
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 14:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 14:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/11/25 08:35	07/11/25 14:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 14:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/11/25 08:35	07/11/25 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/11/25 08:35	07/11/25 14:27	1
1,4-Difluorobenzene (Surr)	116		70 - 130	07/11/25 08:35	07/11/25 14:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/11/25 14:27	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			07/15/25 00:54	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS08

Lab Sample ID: 890-8437-8
Matrix: Solid

Date Collected: 07/09/25 09:15
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/15/25 00:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/15/25 00:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:54	07/15/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:54*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:54*	*07/15/25 00:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.4**		9.92	mg/Kg			07/11/25 14:08	1

Client Sample ID: FS-09

Lab Sample ID: 890-8437-9
Matrix: Solid

Date Collected: 07/09/25 09:53
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 14:48	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 14:48	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 14:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/11/25 08:35	07/11/25 14:48	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 14:48	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/11/25 08:35	07/11/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/11/25 08:35*	*07/11/25 14:48*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*07/11/25 08:35*	*07/11/25 14:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/11/25 14:48	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			07/15/25 01:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 01:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 01:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:54	07/15/25 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/11/25 07:54*	*07/15/25 01:10*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/11/25 07:54*	*07/15/25 01:10*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS-09

Lab Sample ID: 890-8437-9
Matrix: Solid

Date Collected: 07/09/25 09:53
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.4		9.98		mg/Kg			07/11/25 14:15	1

Client Sample ID: FS10

Lab Sample ID: 890-8437-10
Matrix: Solid

Date Collected: 07/09/25 09:56
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:35	07/11/25 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:35	07/11/25 15:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/25 08:35	07/11/25 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:35	07/11/25 15:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/25 08:35	07/11/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/11/25 08:35*	*07/11/25 15:08*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*07/11/25 08:35*	*07/11/25 15:08*	*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			07/11/25 15:08	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			07/15/25 01:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/11/25 07:54	07/15/25 01:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/11/25 07:54	07/15/25 01:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/11/25 07:54	07/15/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*07/11/25 07:54*	*07/15/25 01:25*	*1*
o-Terphenyl	*110*		*70 - 130*	*07/11/25 07:54*	*07/15/25 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		9.96		mg/Kg			07/11/25 14:22	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS11

Lab Sample ID: 890-8437-11
Matrix: Solid

Date Collected: 07/09/25 09:59
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 16:59	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 16:59	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 16:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 16:59	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 16:59	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/11/25 08:35*	*07/11/25 16:59*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*07/11/25 08:35*	*07/11/25 16:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/11/25 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/15/25 03:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 03:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 03:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/11/25 07:56*	*07/15/25 03:34*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/11/25 07:56*	*07/15/25 03:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**	**F1**	9.94	mg/Kg			07/11/25 14:29	1

Client Sample ID: FS12

Lab Sample ID: 890-8437-12
Matrix: Solid

Date Collected: 07/09/25 10:03
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 17:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 17:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 17:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 17:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 17:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*07/11/25 08:35*	*07/11/25 17:19*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS12

Lab Sample ID: 890-8437-12
Matrix: Solid

Date Collected: 07/09/25 10:03
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	129		70 - 130	07/11/25 08:35	07/11/25 17:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/11/25 17:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/15/25 04:22	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	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/11/25 07:56	07/15/25 04:22	1
o-Terphenyl	102		70 - 130	07/11/25 07:56	07/15/25 04:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.92	mg/Kg			07/11/25 14:51	1

Client Sample ID: FS13

Lab Sample ID: 890-8437-13
Matrix: Solid

Date Collected: 07/09/25 10:46
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 17:40	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 17:40	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 17:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/11/25 08:35	07/11/25 17:40	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 17:40	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/11/25 08:35	07/11/25 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/11/25 08:35	07/11/25 17:40	1
1,4-Difluorobenzene (Surr)	124		70 - 130	07/11/25 08:35	07/11/25 17:40	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			07/11/25 17:40	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			07/15/25 04:37	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS13

Lab Sample ID: 890-8437-13
Matrix: Solid

Date Collected: 07/09/25 10:46
Date Received: 07/10/25 12:38
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	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:56	07/15/25 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 04:37*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/11/25 07:56*	*07/15/25 04:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		9.92	mg/Kg			07/11/25 14:58	1

Client Sample ID: FS14

Lab Sample ID: 890-8437-14
Matrix: Solid

Date Collected: 07/09/25 10:49
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 18:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 18:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:00	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:35	07/11/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/11/25 08:35*	*07/11/25 18:00*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*07/11/25 08:35*	*07/11/25 18:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 18:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/15/25 04:53	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		07/11/25 07:56	07/15/25 04:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 04:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:56	07/15/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:56*	*07/15/25 04:53*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:56*	*07/15/25 04:53*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS14

Lab Sample ID: 890-8437-14
Matrix: Solid

Date Collected: 07/09/25 10:49
Date Received: 07/10/25 12:38
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		10.0	mg/Kg			07/11/25 15:20	1

Client Sample ID: FS15

Lab Sample ID: 890-8437-15
Matrix: Solid

Date Collected: 07/09/25 10:53
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 18:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 18:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 18:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/11/25 08:35	07/11/25 18:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 18:21	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/11/25 08:35	07/11/25 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*07/11/25 08:35*	*07/11/25 18:21*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/11/25 08:35*	*07/11/25 18:21*	*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			07/11/25 18:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/15/25 05:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:09*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.2		9.94	mg/Kg			07/11/25 15:27	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS16

Lab Sample ID: 890-8437-16
Matrix: Solid

Date Collected: 07/09/25 10:05
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 18:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/11/25 08:35	07/11/25 18:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 18:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/11/25 08:35	07/11/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/11/25 08:35*	*07/11/25 18:41*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*07/11/25 08:35*	*07/11/25 18:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/11/25 18:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/15/25 05:24	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 *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:24*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.6**		9.98	mg/Kg			07/11/25 15:34	1

Client Sample ID: FS17

Lab Sample ID: 890-8437-17
Matrix: Solid

Date Collected: 07/09/25 10:56
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 19:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 19:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 19:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/11/25 08:35	07/11/25 19:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:35	07/11/25 19:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/11/25 08:35	07/11/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/11/25 08:35*	*07/11/25 19:02*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS17

Lab Sample ID: 890-8437-17
Matrix: Solid

Date Collected: 07/09/25 10:56
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	118		70 - 130	07/11/25 08:35	07/11/25 19:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/11/25 19:02	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			07/15/25 05:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 05:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/11/25 07:56	07/15/25 05:41	1
o-Terphenyl	104		70 - 130	07/11/25 07:56	07/15/25 05:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.7**		10.0	mg/Kg			07/11/25 15:41	1

Client Sample ID: FS18

Lab Sample ID: 890-8437-18
Matrix: Solid

Date Collected: 07/09/25 10:57
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 19:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 19:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 19:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 19:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:35	07/11/25 19:22	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/11/25 08:35	07/11/25 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/11/25 08:35	07/11/25 19:22	1
1,4-Difluorobenzene (Surr)	119		70 - 130	07/11/25 08:35	07/11/25 19:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/11/25 19:22	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			07/15/25 05:56	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS18

Lab Sample ID: 890-8437-18
Matrix: Solid

Date Collected: 07/09/25 10:57
Date Received: 07/10/25 12:38
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	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:56	07/15/25 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:56*	*1*
o-Terphenyl	*105*		*70 - 130*	*07/11/25 07:56*	*07/15/25 05:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		10.0	mg/Kg			07/11/25 15:48	1

Client Sample ID: FS19

Lab Sample ID: 890-8437-19
Matrix: Solid

Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 19:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 19:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 19:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		07/11/25 08:35	07/11/25 19:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:35	07/11/25 19:43	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/11/25 08:35	07/11/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*07/11/25 08:35*	*07/11/25 19:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/11/25 08:35*	*07/11/25 19:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/11/25 19:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**957**		50.0	mg/Kg			07/15/25 06:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:13	1
Diesel Range Organics (Over C10-C28)	**957**	***+**	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:13*	*1*
o-Terphenyl	*120*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:13*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS19

Lab Sample ID: 890-8437-19
Matrix: Solid

Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		10.1	mg/Kg			07/11/25 15:56	1

Client Sample ID: FS20

Lab Sample ID: 890-8437-20
Matrix: Solid

Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38
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		07/11/25 08:35	07/11/25 20:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 20:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 20:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:35	07/11/25 20:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:35	07/11/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/11/25 08:35*	*07/11/25 20:03*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:35*	*07/11/25 20:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/11/25 20:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	128		50.0	mg/Kg			07/15/25 06:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:28	1
Diesel Range Organics (Over C10-C28)	128	*+	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:28*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		10.1	mg/Kg			07/11/25 16:03	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS21

Lab Sample ID: 890-8437-21
Matrix: Solid

Date Collected: 07/09/25 11:35
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 11:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 11:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 11:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:40	07/11/25 11:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 11:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:40	07/11/25 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/11/25 08:40*	*07/11/25 11:37*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:40*	*07/11/25 11:37*	*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			07/11/25 11:37	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			07/15/25 06:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 06:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 06:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:56	07/15/25 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:59*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:56*	*07/15/25 06:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.4**	**F1**	10.0	mg/Kg			07/11/25 12:32	1

Client Sample ID: FS22

Lab Sample ID: 890-8437-22
Matrix: Solid

Date Collected: 07/09/25 11:36
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 13:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 13:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:19	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*07/11/25 08:40*	*07/11/25 13:19*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS22

Lab Sample ID: 890-8437-22
Matrix: Solid

Date Collected: 07/09/25 11:36
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	84		70 - 130	07/11/25 08:40	07/11/25 13:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 13:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**350**		49.6	mg/Kg			07/15/25 07:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6	mg/Kg		07/11/25 07:56	07/15/25 07:15	1
Diesel Range Organics (Over C10-C28)	**350**	***+**	49.6	mg/Kg		07/11/25 07:56	07/15/25 07:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/11/25 07:56	07/15/25 07:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/11/25 07:56	07/15/25 07:15	1
o-Terphenyl	106		70 - 130	07/11/25 07:56	07/15/25 07:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		10.1	mg/Kg			07/11/25 12:49	1

Client Sample ID: FS23

Lab Sample ID: 890-8437-23
Matrix: Solid

Date Collected: 07/09/25 12:06
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 13:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/11/25 08:40	07/11/25 13:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 13:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/11/25 08:40	07/11/25 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/11/25 08:40	07/11/25 13:39	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/11/25 08:40	07/11/25 13:39	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			07/11/25 13:39	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			07/15/25 07:31	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS23

Lab Sample ID: 890-8437-23
Matrix: Solid

Date Collected: 07/09/25 12:06
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 07:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 07:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:56	07/15/25 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 07:31*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/11/25 07:56*	*07/15/25 07:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		9.92	mg/Kg			07/11/25 12:55	1

Client Sample ID: FS24

Lab Sample ID: 890-8437-24
Matrix: Solid

Date Collected: 07/09/25 09:25
Date Received: 07/10/25 12:38
Sample Depth: 8

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		07/11/25 08:40	07/11/25 14:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 14:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 14:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 14:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 14:00	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 14:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/15/25 07:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 07:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:56	07/15/25 07:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:56	07/15/25 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/11/25 07:56*	*07/15/25 07:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:56*	*07/15/25 07:47*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS24

Lab Sample ID: 890-8437-24
Matrix: Solid

Date Collected: 07/09/25 09:25
Date Received: 07/10/25 12:38
Sample Depth: 8

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.96		mg/Kg			07/11/25 13:00	1

Client Sample ID: FS25

Lab Sample ID: 890-8437-25
Matrix: Solid

Date Collected: 07/09/25 11:38
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 14:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 14:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 14:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/25 08:40	07/11/25 14:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 14:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/25 08:40	07/11/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/25 14:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/15/25 08:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		07/11/25 07:56	07/15/25 08:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		07/11/25 07:56	07/15/25 08:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/11/25 07:56	07/15/25 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:02*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		9.98		mg/Kg			07/11/25 13:06	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS26

Lab Sample ID: 890-8437-26
Matrix: Solid

Date Collected: 07/09/25 11:39
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		07/11/25 08:40	07/11/25 14:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 14:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 14:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/11/25 08:40	07/11/25 14:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 14:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/11/25 08:40	07/11/25 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:41*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/11/25 08:40*	*07/11/25 14:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/11/25 14:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/15/25 08:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		07/11/25 07:56	07/15/25 08:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		07/11/25 07:56	07/15/25 08:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/11/25 07:56	07/15/25 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:18*	*1*
o-Terphenyl	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		9.94		mg/Kg			07/11/25 13:23	1

Client Sample ID: FS27

Lab Sample ID: 890-8437-27
Matrix: Solid

Date Collected: 07/09/25 11:41
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 16:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 16:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 16:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/25 08:40	07/11/25 16:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:40	07/11/25 16:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/25 08:40	07/11/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/11/25 08:40*	*07/11/25 16:15*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS27

Lab Sample ID: 890-8437-27
Matrix: Solid

Date Collected: 07/09/25 11:41
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	07/11/25 08:40	07/11/25 16:15	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			07/11/25 16:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/15/25 08:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 08:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 08:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 08:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/11/25 07:56	07/15/25 08:33	1
o-Terphenyl	98		70 - 130	07/11/25 07:56	07/15/25 08:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		10.0	mg/Kg			07/11/25 13:29	1

Client Sample ID: FS28

Lab Sample ID: 890-8437-28
Matrix: Solid

Date Collected: 07/09/25 12:44
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 16:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:40	07/11/25 16:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:40	07/11/25 16:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/11/25 08:40	07/11/25 16:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/11/25 08:40	07/11/25 16:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/11/25 08:40	07/11/25 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/11/25 08:40	07/11/25 16:35	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/11/25 08:40	07/11/25 16:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/11/25 16:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/15/25 08:49	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS28

Lab Sample ID: 890-8437-28
Matrix: Solid

Date Collected: 07/09/25 12:44
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 08:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8	mg/Kg		07/11/25 07:56	07/15/25 08:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/11/25 07:56	07/15/25 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:49*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/11/25 07:56*	*07/15/25 08:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		9.90	mg/Kg			07/11/25 13:34	1

Client Sample ID: FS29

Lab Sample ID: 890-8437-29
Matrix: Solid

Date Collected: 07/09/25 13:22
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202	mg/Kg		07/11/25 08:40	07/11/25 16:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 16:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 16:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/11/25 08:40	07/11/25 16:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 16:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/11/25 08:40	07/11/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/11/25 08:40*	*07/11/25 16:55*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*07/11/25 08:40*	*07/11/25 16:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/11/25 16:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/15/25 09:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:56	07/15/25 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:56	07/15/25 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 09:04*	*1*
o-Terphenyl	*103*		*70 - 130*	*07/11/25 07:56*	*07/15/25 09:04*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS29

Lab Sample ID: 890-8437-29
Matrix: Solid

Date Collected: 07/09/25 13:22
Date Received: 07/10/25 12:38
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		9.90		mg/Kg			07/11/25 13:40	1

Client Sample ID: FS30

Lab Sample ID: 890-8437-30
Matrix: Solid

Date Collected: 07/09/25 12:50
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 17:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 17:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 17:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/25 08:40	07/11/25 17:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 17:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/25 08:40	07/11/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/11/25 08:40*	*07/11/25 17:16*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/11/25 08:40*	*07/11/25 17:16*	*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			07/11/25 17:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.7**		49.7		mg/Kg			07/15/25 18:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/14/25 12:04	07/15/25 18:02	1
Diesel Range Organics (Over C10-C28)	**55.7**		49.7		mg/Kg		07/14/25 12:04	07/15/25 18:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/14/25 12:04	07/15/25 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*07/14/25 12:04*	*07/15/25 18:02*	*1*
o-Terphenyl	*117*		*70 - 130*	*07/14/25 12:04*	*07/15/25 18:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.2**		10.1		mg/Kg			07/11/25 13:46	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS31

Lab Sample ID: 890-8437-31
Matrix: Solid

Date Collected: 07/09/25 12:53
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 17:36	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 17:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 17:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/11/25 08:40	07/11/25 17:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/11/25 08:40	07/11/25 17:36	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/11/25 08:40	07/11/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*07/11/25 08:40*	*07/11/25 17:36*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:40*	*07/11/25 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/11/25 17:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/14/25 11:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6	mg/Kg		07/11/25 07:58	07/14/25 11:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U *+	49.6	mg/Kg		07/11/25 07:58	07/14/25 11:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/11/25 07:58	07/14/25 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/11/25 07:58*	*07/14/25 11:31*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/11/25 07:58*	*07/14/25 11:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**211**	**F1**	10.1	mg/Kg			07/11/25 13:51	1

Client Sample ID: FS32

Lab Sample ID: 890-8437-32
Matrix: Solid

Date Collected: 07/09/25 12:45
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 17:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 17:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 17:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 08:40	07/11/25 17:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 08:40	07/11/25 17:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 08:40	07/11/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/11/25 08:40*	*07/11/25 17:57*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS32

Lab Sample ID: 890-8437-32
Matrix: Solid

Date Collected: 07/09/25 12:45
Date Received: 07/10/25 12:38
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	07/11/25 08:40	07/11/25 17:57	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			07/11/25 17:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.5**		50.0	mg/Kg			07/14/25 12:18	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		07/11/25 07:58	07/14/25 12:18	1
Diesel Range Organics (Over C10-C28)	**87.5**	***+**	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/11/25 07:58	07/14/25 12:18	1
o-Terphenyl	91		70 - 130	07/11/25 07:58	07/14/25 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**229**		10.1	mg/Kg			07/11/25 14:08	1

Client Sample ID: FS33

Lab Sample ID: 890-8437-33
Matrix: Solid

Date Collected: 07/09/25 12:47
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 18:17	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:40	07/11/25 18:17	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:40	07/11/25 18:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/11/25 08:40	07/11/25 18:17	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/11/25 08:40	07/11/25 18:17	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/11/25 08:40	07/11/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	07/11/25 08:40	07/11/25 18:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/11/25 08:40	07/11/25 18:17	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			07/11/25 18:17	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			07/14/25 12:34	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS33

Lab Sample ID: 890-8437-33
Matrix: Solid

Date Collected: 07/09/25 12:47
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/11/25 07:58*	*07/14/25 12:34*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/11/25 07:58*	*07/14/25 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.7**		9.98	mg/Kg			07/11/25 14:14	1

Client Sample ID: FS34

Lab Sample ID: 890-8437-34
Matrix: Solid

Date Collected: 07/09/25 12:48
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 18:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 18:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 18:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 18:37	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/11/25 08:40	07/11/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/11/25 08:40*	*07/11/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/11/25 08:40*	*07/11/25 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/11/25 18:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**212**		50.0	mg/Kg			07/14/25 12:50	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	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:50	1
Diesel Range Organics (Over C10-C28)	**212**	***+**	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:58	07/14/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*07/11/25 07:58*	*07/14/25 12:50*	*1*
o-Terphenyl	*85*		*70 - 130*	*07/11/25 07:58*	*07/14/25 12:50*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS34

Lab Sample ID: 890-8437-34
Matrix: Solid

Date Collected: 07/09/25 12:48
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.92		mg/Kg			07/11/25 14:31	1

Client Sample ID: FS35

Lab Sample ID: 890-8437-35
Matrix: Solid

Date Collected: 07/09/25 13:25
Date Received: 07/10/25 12:38
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		07/11/25 08:40	07/11/25 18:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 18:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 18:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/11/25 08:40	07/11/25 18:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/11/25 08:40	07/11/25 18:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/11/25 08:40	07/11/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*07/11/25 08:40*	*07/11/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*07/11/25 08:40*	*07/11/25 18:58*	*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			07/11/25 18:58	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			07/14/25 13:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		07/11/25 07:58	07/14/25 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		07/11/25 07:58	07/14/25 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 07:58	07/14/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:06*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4		10.0		mg/Kg			07/11/25 14:37	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: SW01

Lab Sample ID: 890-8437-36
Matrix: Solid

Date Collected: 07/09/25 09:52
Date Received: 07/10/25 12:38
Sample Depth: 0-0.5

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		07/11/25 08:40	07/11/25 19:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 19:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 19:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/11/25 08:40	07/11/25 19:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 19:18	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/11/25 08:40	07/11/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/11/25 08:40*	*07/11/25 19:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/11/25 08:40*	*07/11/25 19:18*	*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			07/11/25 19:18	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			07/14/25 13:22	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 *+	49.9	mg/Kg		07/11/25 07:58	07/14/25 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/11/25 07:58	07/14/25 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/11/25 07:58	07/14/25 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:22*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**329**		9.90	mg/Kg			07/11/25 14:42	1

Client Sample ID: SW02

Lab Sample ID: 890-8437-37
Matrix: Solid

Date Collected: 07/09/25 10:50
Date Received: 07/10/25 12:38
Sample Depth: 0-1

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		07/11/25 10:30	07/12/25 00:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 10:30	07/12/25 00:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 10:30	07/12/25 00:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/11/25 10:30	07/12/25 00:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 10:30	07/12/25 00:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/11/25 10:30	07/12/25 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/11/25 10:30*	*07/12/25 00:44*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: SW02

Lab Sample ID: 890-8437-37
Matrix: Solid

Date Collected: 07/09/25 10:50
Date Received: 07/10/25 12:38
Sample Depth: 0-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	07/11/25 10:30	07/12/25 00:44	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			07/12/25 00:44	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			07/14/25 13:38	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		07/11/25 07:58	07/14/25 13:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+	50.1	mg/Kg		07/11/25 07:58	07/14/25 13:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/11/25 07:58	07/14/25 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/11/25 07:58	07/14/25 13:38	1
o-Terphenyl	92		70 - 130	07/11/25 07:58	07/14/25 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.7**		9.90	mg/Kg			07/11/25 14:48	1

Client Sample ID: SW03

Lab Sample ID: 890-8437-38
Matrix: Solid

Date Collected: 07/09/25 10:51
Date Received: 07/10/25 12:38
Sample Depth: 0-1

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		07/11/25 10:30	07/12/25 01:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 10:30	07/12/25 01:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 10:30	07/12/25 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/11/25 10:30	07/12/25 01:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/11/25 10:30	07/12/25 01:05	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			07/12/25 01:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/14/25 13:54	1

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: SW03

Lab Sample ID: 890-8437-38
Matrix: Solid
Date Collected: 07/09/25 10:51
Date Received: 07/10/25 12:38
Sample Depth: 0-1

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		07/11/25 07:58	07/14/25 13:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 13:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:58	07/14/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:54*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/11/25 07:58*	*07/14/25 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**223**		10.0	mg/Kg			07/11/25 14:54	1

Client Sample ID: SW04

Lab Sample ID: 890-8437-39
Matrix: Solid
Date Collected: 07/09/25 09:29
Date Received: 07/10/25 12:38
Sample Depth: 0-8

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		07/11/25 10:30	07/12/25 01:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/11/25 10:30	07/12/25 01:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/11/25 10:30	07/12/25 01:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/11/25 10:30	07/12/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/11/25 10:30*	*07/12/25 01:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/11/25 10:30*	*07/12/25 01:25*	*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			07/12/25 01:25	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			07/14/25 14:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 14:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/11/25 07:58	07/14/25 14:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:58	07/14/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/11/25 07:58*	*07/14/25 14:09*	*1*
o-Terphenyl	*92*		*70 - 130*	*07/11/25 07:58*	*07/14/25 14:09*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: SW04

Lab Sample ID: 890-8437-39

Date Collected: 07/09/25 09:29
Matrix: Solid
Date Received: 07/10/25 12:38
Sample Depth: 0-8

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		10.0		mg/Kg			07/11/25 14:59	1

Surrogate Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)						
880-60228-A-16-E MS	Matrix Spike	99	99						
880-60228-A-16-F MSD	Matrix Spike Duplicate	99	97						
890-8437-1	FS01	92	104						
890-8437-1 MS	FS01	107	103						
890-8437-1 MSD	FS01	96	100						
890-8437-2	FS02	114	115						
890-8437-3	FS03	116	119						
890-8437-4	FS04	121	125						
890-8437-5	FS05	116	112						
890-8437-6	FS06	113	112						
890-8437-7	FS07	119	116						
890-8437-8	FS08	117	116						
890-8437-9	FS-09	121	121						
890-8437-10	FS10	117	110						
890-8437-11	FS11	105	113						
890-8437-12	FS12	129	129						
890-8437-13	FS13	123	124						
890-8437-14	FS14	127	126						
890-8437-15	FS15	227 S1+	104						
890-8437-16	FS16	119	119						
890-8437-17	FS17	124	118						
890-8437-18	FS18	123	119						
890-8437-19	FS19	89	93						
890-8437-20	FS20	98	96						
890-8437-21	FS21	112	96						
890-8437-21 MS	FS21	120	94						
890-8437-21 MSD	FS21	112	95						
890-8437-22	FS22	125	84						
890-8437-23	FS23	117	86						
890-8437-24	FS24	114	92						
890-8437-25	FS25	124	87						
890-8437-26	FS26	111	92						
890-8437-27	FS27	118	91						
890-8437-28	FS28	111	90						
890-8437-29	FS29	110	110						
890-8437-30	FS30	113	90						
890-8437-31	FS31	125	85						
890-8437-32	FS32	118	91						
890-8437-33	FS33	73	100						
890-8437-34	FS34	116	90						
890-8437-35	FS35	132 S1+	82						
890-8437-36	SW01	100	93						
890-8437-37	SW02	100	97						
890-8437-38	SW03	101	93						
890-8437-39	SW04	99	89						
LCS 880-113952/1-A	Lab Control Sample	105	108						
LCS 880-113953/1-A	Lab Control Sample	117	91						
LCS 880-113987/1-A	Lab Control Sample	97	103						
LCSD 880-113952/2-A	Lab Control Sample Dup	100	98						

Surrogate Summary

Client: Ensolum
Job ID: 890-8437-1
Project/Site: BANDANA FEDERAL 12G CTB
SDG: 03D2024352

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-113953/2-A	Lab Control Sample Dup	117	95
LCSD 880-113987/2-A	Lab Control Sample Dup	100	98
MB 880-113951/5-A	Method Blank	96	85
MB 880-113952/5-A	Method Blank	161 S1+	100
MB 880-113953/5-A	Method Blank	108	89
MB 880-113987/5-A	Method Blank	94	86

Percent Surrogate Recovery (Acceptance Limits)

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	1CO1 (70-130)	OTPH1 (70-130)
880-60318-A-11-B MS	Matrix Spike	130	128
880-60318-A-11-C MSD	Matrix Spike Duplicate	131 S1+	131 S1+
890-8428-A-1-F MS	Matrix Spike	93	98
890-8428-A-1-G MSD	Matrix Spike Duplicate	93	99
890-8437-1	FS01	103	99
890-8437-2	FS02	104	103
890-8437-3	FS03	105	102
890-8437-4	FS04	105	102
890-8437-5	FS05	102	98
890-8437-6	FS06	106	106
890-8437-7	FS07	105	102
890-8437-8	FS08	104	100
890-8437-9	FS-09	108	106
890-8437-10	FS10	109	110
890-8437-11	FS11	100	99
890-8437-11 MS	FS11	94	101
890-8437-11 MSD	FS11	112	100
890-8437-12	FS12	103	102
890-8437-13	FS13	103	102
890-8437-14	FS14	104	100
890-8437-15	FS15	107	102
890-8437-16	FS16	105	98
890-8437-17	FS17	107	104
890-8437-18	FS18	104	105
890-8437-19	FS19	100	120
890-8437-20	FS20	107	107
890-8437-21	FS21	104	100
890-8437-22	FS22	101	106
890-8437-23	FS23	103	104
890-8437-24	FS24	102	100
890-8437-25	FS25	102	101
890-8437-26	FS26	103	103
890-8437-27	FS27	102	98
890-8437-28	FS28	103	101

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Summary

Client: Ensolum
Job ID: 890-8437-1
Project/Site: BANDANA FEDERAL 12G CTB
SDG: 03D2024352

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)								
890-8437-29	FS29	103	103								
890-8437-30	FS30	122	117								
890-8437-31	FS31	92	93								
890-8437-31 MS	FS31	102	94								
890-8437-31 MSD	FS31	85	94								
890-8437-32	FS32	88	91								
890-8437-33	FS33	92	94								
890-8437-34	FS34	85	85								
890-8437-35	FS35	90	91								
890-8437-36	SW01	95	97								
890-8437-37	SW02	91	92								
890-8437-38	SW03	91	93								
890-8437-39	SW04	92	92								
LCS 880-113941/2-A	Lab Control Sample	121	111								
LCS 880-113942/2-A	Lab Control Sample	124	108								
LCS 880-113943/2-A	Lab Control Sample	138 S1+	158 S1+								
LCS 880-114112/2-A	Lab Control Sample	113	125								
LCSD 880-113941/3-A	Lab Control Sample Dup	100	111								
LCSD 880-113942/3-A	Lab Control Sample Dup	100	108								
LCSD 880-113943/3-A	Lab Control Sample Dup	140 S1+	160 S1+								
LCSD 880-114112/3-A	Lab Control Sample Dup	116	123								
MB 880-113941/1-A	Method Blank	114	113								
MB 880-113942/1-A	Method Blank	109	109								
MB 880-113943/1-A	Method Blank	98	100								
MB 880-114112/1-A	Method Blank	116	121								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113951/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113951

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/11/25 08:30	07/11/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*

Lab Sample ID: MB 880-113952/5-A
Matrix: Solid
Analysis Batch: 113948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113952

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 11:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/11/25 08:35	07/11/25 11:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:35	07/11/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/11/25 08:35	07/11/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*07/11/25 08:35*	*07/11/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/11/25 08:35*	*07/11/25 11:36*	*1*

Lab Sample ID: LCS 880-113952/1-A
Matrix: Solid
Analysis Batch: 113948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09718		mg/Kg		97	70 - 130
Toluene	0.100	0.09435		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09895		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1996		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1015		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-113952/2-A
Matrix: Solid
Analysis Batch: 113948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113952

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1000		mg/Kg		100	70 - 130	3	35

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: LCSD 880-113952/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113948 — **Prep Batch: 113952**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09472		mg/Kg		95	70 - 130	0	35
Ethylbenzene			0.100	0.1097		mg/Kg		110	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2101		mg/Kg		105	70 - 130	5	35
o-Xylene			0.100	0.1044		mg/Kg		104	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-8437-1 MS — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113948 — **Prep Batch: 113952**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0992	0.09946		mg/Kg		100	70 - 130		
Toluene	<0.00199	U	0.0992	0.09163		mg/Kg		92	70 - 130		
Ethylbenzene	<0.00199	U	0.0992	0.1018		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2023		mg/Kg		102	70 - 130		
o-Xylene	<0.00199	U	0.0992	0.1022		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-8437-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113948 — **Prep Batch: 113952**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09678		mg/Kg		96	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.09290		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.09794		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1851		mg/Kg		92	70 - 130	9	35
o-Xylene	<0.00199	U	0.101	0.09351		mg/Kg		93	70 - 130	9	35

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

Lab Sample ID: MB 880-113953/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113946 — **Prep Batch: 113953**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:40	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/25 08:40	07/11/25 11:15	1

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: MB 880-113953/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113946 — **Prep Batch: 113953**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/11/25 08:40	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/11/25 08:40	07/11/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/11/25 08:40*	*07/11/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/11/25 08:40*	*07/11/25 11:15*	*1*

Lab Sample ID: LCS 880-113953/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113946 — **Prep Batch: 113953**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.06675	*-	mg/Kg		67	70 - 130
Toluene	0.100	0.07308		mg/Kg		73	70 - 130
Ethylbenzene	0.100	0.07370		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1490		mg/Kg		74	70 - 130
o-Xylene	0.100	0.07761		mg/Kg		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-113953/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113946 — **Prep Batch: 113953**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07699		mg/Kg		77	70 - 130	14	35
Toluene	0.100	0.07971		mg/Kg		80	70 - 130	9	35
Ethylbenzene	0.100	0.07919		mg/Kg		79	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1585		mg/Kg		79	70 - 130	6	35
o-Xylene	0.100	0.08190		mg/Kg		82	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8437-21 MS — **Client Sample ID: FS21**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113946 — **Prep Batch: 113953**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *-	0.0992	0.08196		mg/Kg		83	70 - 130
Toluene	<0.00199	U	0.0992	0.08677		mg/Kg		87	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.08668		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1730		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0992	0.08800		mg/Kg		89	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: 890-8437-21 MS
Matrix: Solid
Analysis Batch: 113946

Client Sample ID: FS21
Prep Type: Total/NA
Prep Batch: 113953

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-8437-21 MSD
Matrix: Solid
Analysis Batch: 113946

Client Sample ID: FS21
Prep Type: Total/NA
Prep Batch: 113953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *-	0.101	0.09686		mg/Kg		96	70 - 130	17	35
Toluene	<0.00199	U	0.101	0.1010		mg/Kg		100	70 - 130	15	35
Ethylbenzene	<0.00199	U	0.101	0.1014		mg/Kg		101	70 - 130	16	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2010		mg/Kg		100	70 - 130	15	35
o-Xylene	<0.00199	U	0.101	0.1013		mg/Kg		100	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-113987/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113987

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 10:30	07/11/25 22:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/25 10:30	07/11/25 22:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/25 10:30	07/11/25 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/11/25 10:30	07/11/25 22:40	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/11/25 10:30	07/11/25 22:40	1

Lab Sample ID: LCS 880-113987/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09412		mg/Kg		94	70 - 130
Toluene	0.100	0.08665		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09613		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1950		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09873		mg/Kg		99	70 - 130

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

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: LCS 880-113987/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113987

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

Lab Sample ID: LCSD 880-113987/2-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113987

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08821		mg/Kg		88	70 - 130	6	35
Toluene			0.100	0.08717		mg/Kg		87	70 - 130	1	35
Ethylbenzene			0.100	0.09648		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1959		mg/Kg		98	70 - 130	0	35
o-Xylene			0.100	0.09919		mg/Kg		99	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-60228-A-16-E MS
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08022		mg/Kg		80	70 - 130		
Toluene	<0.00200	U	0.100	0.07460		mg/Kg		75	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07994		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1594		mg/Kg		80	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08101		mg/Kg		81	70 - 130		

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

Lab Sample ID: 880-60228-A-16-F MSD
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113987

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	0.08474		mg/Kg		85	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08262		mg/Kg		83	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.08814		mg/Kg		88	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1780		mg/Kg		89	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.08939		mg/Kg		89	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: MB 880-113941/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113941**

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		07/11/25 07:50	07/14/25 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/11/25 07:50	07/14/25 18:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/25 07:50	07/14/25 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*07/11/25 07:50*	*07/14/25 18:48*	*1*
o-Terphenyl	*113*		*70 - 130*	*07/11/25 07:50*	*07/14/25 18:48*	*1*

Lab Sample ID: LCS 880-113941/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113941**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1144		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-113941/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113941**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1149		mg/Kg		115	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 890-8428-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113941**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	998.9		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1045		mg/Kg		105	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: 890-8428-A-1-F MS
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113941

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 890-8428-A-1-G MSD
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113941

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	993.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1043		mg/Kg		104	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: MB 880-113942/1-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113942

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		07/11/25 07:50	07/15/25 02:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/15/25 02:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/15/25 02:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	07/11/25 07:50	07/15/25 02:47	1
o-Terphenyl	109		70 - 130	07/11/25 07:50	07/15/25 02:47	1

Lab Sample ID: LCS 880-113942/2-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1414	*+	mg/Kg		141	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1376	*+	mg/Kg		138	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: LCSD 880-113942/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113942**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1425	*+	mg/Kg		142	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1496	*+	mg/Kg		150	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-8437-11 MS — **Client Sample ID: FS11**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113942**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	998	1078		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *+	998	1038		mg/Kg		104	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: 890-8437-11 MSD — **Client Sample ID: FS11**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114088 — **Prep Batch: 113942**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	998	1081		mg/Kg		107	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+	998	977.5		mg/Kg		98	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: MB 880-113943/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114090 — **Prep Batch: 113943**

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		07/11/25 07:50	07/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/14/25 09:41	1

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: MB 880-113943/1-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113943

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/11/25 07:50	07/14/25 09:41	1
o-Terphenyl	100		70 - 130	07/11/25 07:50	07/14/25 09:41	1

Lab Sample ID: LCS 880-113943/2-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1342	*+	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1556	*+	mg/Kg		156	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	158	S1+	70 - 130

Lab Sample ID: LCSD 880-113943/3-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113943

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1317	*+	mg/Kg		132	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1572	*+	mg/Kg		157	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	160	S1+	70 - 130

Lab Sample ID: 890-8437-31 MS
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: FS31
Prep Type: Total/NA
Prep Batch: 113943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	997	905.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U *+	997	919.9		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: 890-8437-31 MSD — **Client Sample ID: FS31**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114090 — **Prep Batch: 113943**

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	<49.6	U *+	997	904.8		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.6	U *+	997	978.3		mg/Kg		98	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: MB 880-114112/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114112**

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		07/14/25 12:00	07/15/25 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/14/25 12:00	07/15/25 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/14/25 12:00	07/15/25 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*07/14/25 12:00*	*07/15/25 10:38*	*1*
o-Terphenyl	*121*		*70 - 130*	*07/14/25 12:00*	*07/15/25 10:38*	*1*

Lab Sample ID: LCS 880-114112/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114112**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1126		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1208		mg/Kg		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: LCSD 880-114112/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114112**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1169		mg/Kg		117	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1204		mg/Kg		120	70 - 130	0	20

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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

Lab Sample ID: LCSD 880-114112/3-A
Matrix: Solid
Analysis Batch: 114226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114112

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-60318-A-11-B MS
Matrix: Solid
Analysis Batch: 114226

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	994.9		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1101		mg/Kg		110	70 - 130

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

Lab Sample ID: 880-60318-A-11-C MSD
Matrix: Solid
Analysis Batch: 114226

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1004		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1124		mg/Kg		113	70 - 130	2	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113928/1-A
Matrix: Solid
Analysis Batch: 113990

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			07/11/25 12:15	1

Lab Sample ID: LCS 880-113928/2-A
Matrix: Solid
Analysis Batch: 113990

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	244.0		mg/Kg		98	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-113928/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113990

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8437-21 MS — **Client Sample ID: FS21**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	85.4	F1	251	396.7	F1	mg/Kg		124	90 - 110		

Lab Sample ID: 890-8437-21 MSD — **Client Sample ID: FS21**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.4	F1	251	397.4	F1	mg/Kg		125	90 - 110	0	20

Lab Sample ID: 890-8437-31 MS — **Client Sample ID: FS31**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	211	F1	253	518.5	F1	mg/Kg		122	90 - 110		

Lab Sample ID: 890-8437-31 MSD — **Client Sample ID: FS31**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	211	F1	253	518.5	F1	mg/Kg		122	90 - 110	0	20

Lab Sample ID: MB 880-113927/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113992

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/11/25 12:05	1

Lab Sample ID: LCS 880-113927/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113992

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	230.5		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-113927/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 113992

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	228.3		mg/Kg		91	90 - 110	1	20

QC Sample Results

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8437-1 MS
Matrix: Solid
Analysis Batch: 113992

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	71.6		249	310.6		mg/Kg		96	90 - 110		

Lab Sample ID: 890-8437-1 MSD
Matrix: Solid
Analysis Batch: 113992

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	71.6		249	308.6		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-8437-11 MS
Matrix: Solid
Analysis Batch: 113992

Client Sample ID: FS11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	117	F1	249	335.7	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 890-8437-11 MSD
Matrix: Solid
Analysis Batch: 113992

Client Sample ID: FS11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117	F1	249	335.2	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC VOA

Analysis Batch: 113946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-21	FS21	Total/NA	Solid	8021B	113953
890-8437-22	FS22	Total/NA	Solid	8021B	113953
890-8437-23	FS23	Total/NA	Solid	8021B	113953
890-8437-24	FS24	Total/NA	Solid	8021B	113953
890-8437-25	FS25	Total/NA	Solid	8021B	113953
890-8437-26	FS26	Total/NA	Solid	8021B	113953
890-8437-27	FS27	Total/NA	Solid	8021B	113953
890-8437-28	FS28	Total/NA	Solid	8021B	113953
890-8437-29	FS29	Total/NA	Solid	8021B	113953
890-8437-30	FS30	Total/NA	Solid	8021B	113953
890-8437-31	FS31	Total/NA	Solid	8021B	113953
890-8437-32	FS32	Total/NA	Solid	8021B	113953
890-8437-33	FS33	Total/NA	Solid	8021B	113953
890-8437-34	FS34	Total/NA	Solid	8021B	113953
890-8437-35	FS35	Total/NA	Solid	8021B	113953
890-8437-36	SW01	Total/NA	Solid	8021B	113953
MB 880-113953/5-A	Method Blank	Total/NA	Solid	8021B	113953
LCS 880-113953/1-A	Lab Control Sample	Total/NA	Solid	8021B	113953
LCSD 880-113953/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113953
890-8437-21 MS	FS21	Total/NA	Solid	8021B	113953
890-8437-21 MSD	FS21	Total/NA	Solid	8021B	113953

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-37	SW02	Total/NA	Solid	8021B	113987
890-8437-38	SW03	Total/NA	Solid	8021B	113987
890-8437-39	SW04	Total/NA	Solid	8021B	113987
MB 880-113951/5-A	Method Blank	Total/NA	Solid	8021B	113951
MB 880-113987/5-A	Method Blank	Total/NA	Solid	8021B	113987
LCS 880-113987/1-A	Lab Control Sample	Total/NA	Solid	8021B	113987
LCSD 880-113987/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113987
880-60228-A-16-E MS	Matrix Spike	Total/NA	Solid	8021B	113987
880-60228-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	113987

Analysis Batch: 113948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	8021B	113952
890-8437-2	FS02	Total/NA	Solid	8021B	113952
890-8437-3	FS03	Total/NA	Solid	8021B	113952
890-8437-4	FS04	Total/NA	Solid	8021B	113952
890-8437-5	FS05	Total/NA	Solid	8021B	113952
890-8437-6	FS06	Total/NA	Solid	8021B	113952
890-8437-7	FS07	Total/NA	Solid	8021B	113952
890-8437-8	FS08	Total/NA	Solid	8021B	113952
890-8437-9	FS-09	Total/NA	Solid	8021B	113952
890-8437-10	FS10	Total/NA	Solid	8021B	113952
890-8437-11	FS11	Total/NA	Solid	8021B	113952
890-8437-12	FS12	Total/NA	Solid	8021B	113952
890-8437-13	FS13	Total/NA	Solid	8021B	113952
890-8437-14	FS14	Total/NA	Solid	8021B	113952
890-8437-15	FS15	Total/NA	Solid	8021B	113952

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC VOA (Continued)

Analysis Batch: 113948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-16	FS16	Total/NA	Solid	8021B	113952
890-8437-17	FS17	Total/NA	Solid	8021B	113952
890-8437-18	FS18	Total/NA	Solid	8021B	113952
890-8437-19	FS19	Total/NA	Solid	8021B	113952
890-8437-20	FS20	Total/NA	Solid	8021B	113952
MB 880-113952/5-A	Method Blank	Total/NA	Solid	8021B	113952
LCS 880-113952/1-A	Lab Control Sample	Total/NA	Solid	8021B	113952
LCSD 880-113952/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113952
890-8437-1 MS	FS01	Total/NA	Solid	8021B	113952
890-8437-1 MSD	FS01	Total/NA	Solid	8021B	113952

Prep Batch: 113951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113951/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 113952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	5035	
890-8437-2	FS02	Total/NA	Solid	5035	
890-8437-3	FS03	Total/NA	Solid	5035	
890-8437-4	FS04	Total/NA	Solid	5035	
890-8437-5	FS05	Total/NA	Solid	5035	
890-8437-6	FS06	Total/NA	Solid	5035	
890-8437-7	FS07	Total/NA	Solid	5035	
890-8437-8	FS08	Total/NA	Solid	5035	
890-8437-9	FS-09	Total/NA	Solid	5035	
890-8437-10	FS10	Total/NA	Solid	5035	
890-8437-11	FS11	Total/NA	Solid	5035	
890-8437-12	FS12	Total/NA	Solid	5035	
890-8437-13	FS13	Total/NA	Solid	5035	
890-8437-14	FS14	Total/NA	Solid	5035	
890-8437-15	FS15	Total/NA	Solid	5035	
890-8437-16	FS16	Total/NA	Solid	5035	
890-8437-17	FS17	Total/NA	Solid	5035	
890-8437-18	FS18	Total/NA	Solid	5035	
890-8437-19	FS19	Total/NA	Solid	5035	
890-8437-20	FS20	Total/NA	Solid	5035	
MB 880-113952/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113952/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113952/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8437-1 MS	FS01	Total/NA	Solid	5035	
890-8437-1 MSD	FS01	Total/NA	Solid	5035	

Prep Batch: 113953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-21	FS21	Total/NA	Solid	5035	
890-8437-22	FS22	Total/NA	Solid	5035	
890-8437-23	FS23	Total/NA	Solid	5035	
890-8437-24	FS24	Total/NA	Solid	5035	
890-8437-25	FS25	Total/NA	Solid	5035	
890-8437-26	FS26	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC VOA (Continued)

Prep Batch: 113953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-27	FS27	Total/NA	Solid	5035	
890-8437-28	FS28	Total/NA	Solid	5035	
890-8437-29	FS29	Total/NA	Solid	5035	
890-8437-30	FS30	Total/NA	Solid	5035	
890-8437-31	FS31	Total/NA	Solid	5035	
890-8437-32	FS32	Total/NA	Solid	5035	
890-8437-33	FS33	Total/NA	Solid	5035	
890-8437-34	FS34	Total/NA	Solid	5035	
890-8437-35	FS35	Total/NA	Solid	5035	
890-8437-36	SW01	Total/NA	Solid	5035	
MB 880-113953/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113953/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113953/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8437-21 MS	FS21	Total/NA	Solid	5035	
890-8437-21 MSD	FS21	Total/NA	Solid	5035	

Prep Batch: 113987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-37	SW02	Total/NA	Solid	5035	
890-8437-38	SW03	Total/NA	Solid	5035	
890-8437-39	SW04	Total/NA	Solid	5035	
MB 880-113987/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113987/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113987/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60228-A-16-E MS	Matrix Spike	Total/NA	Solid	5035	
880-60228-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 114095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	Total BTEX	
890-8437-2	FS02	Total/NA	Solid	Total BTEX	
890-8437-3	FS03	Total/NA	Solid	Total BTEX	
890-8437-4	FS04	Total/NA	Solid	Total BTEX	
890-8437-5	FS05	Total/NA	Solid	Total BTEX	
890-8437-6	FS06	Total/NA	Solid	Total BTEX	
890-8437-7	FS07	Total/NA	Solid	Total BTEX	
890-8437-8	FS08	Total/NA	Solid	Total BTEX	
890-8437-9	FS-09	Total/NA	Solid	Total BTEX	
890-8437-10	FS10	Total/NA	Solid	Total BTEX	
890-8437-11	FS11	Total/NA	Solid	Total BTEX	
890-8437-12	FS12	Total/NA	Solid	Total BTEX	
890-8437-13	FS13	Total/NA	Solid	Total BTEX	
890-8437-14	FS14	Total/NA	Solid	Total BTEX	
890-8437-15	FS15	Total/NA	Solid	Total BTEX	
890-8437-16	FS16	Total/NA	Solid	Total BTEX	
890-8437-17	FS17	Total/NA	Solid	Total BTEX	
890-8437-18	FS18	Total/NA	Solid	Total BTEX	
890-8437-19	FS19	Total/NA	Solid	Total BTEX	
890-8437-20	FS20	Total/NA	Solid	Total BTEX	
890-8437-21	FS21	Total/NA	Solid	Total BTEX	
890-8437-22	FS22	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC VOA (Continued)

Analysis Batch: 114095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-23	FS23	Total/NA	Solid	Total BTEX	
890-8437-24	FS24	Total/NA	Solid	Total BTEX	
890-8437-25	FS25	Total/NA	Solid	Total BTEX	
890-8437-26	FS26	Total/NA	Solid	Total BTEX	
890-8437-27	FS27	Total/NA	Solid	Total BTEX	
890-8437-28	FS28	Total/NA	Solid	Total BTEX	
890-8437-29	FS29	Total/NA	Solid	Total BTEX	
890-8437-30	FS30	Total/NA	Solid	Total BTEX	
890-8437-31	FS31	Total/NA	Solid	Total BTEX	
890-8437-32	FS32	Total/NA	Solid	Total BTEX	
890-8437-33	FS33	Total/NA	Solid	Total BTEX	
890-8437-34	FS34	Total/NA	Solid	Total BTEX	
890-8437-35	FS35	Total/NA	Solid	Total BTEX	
890-8437-36	SW01	Total/NA	Solid	Total BTEX	
890-8437-37	SW02	Total/NA	Solid	Total BTEX	
890-8437-38	SW03	Total/NA	Solid	Total BTEX	
890-8437-39	SW04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	8015NM Prep	
890-8437-2	FS02	Total/NA	Solid	8015NM Prep	
890-8437-3	FS03	Total/NA	Solid	8015NM Prep	
890-8437-4	FS04	Total/NA	Solid	8015NM Prep	
890-8437-5	FS05	Total/NA	Solid	8015NM Prep	
890-8437-6	FS06	Total/NA	Solid	8015NM Prep	
890-8437-7	FS07	Total/NA	Solid	8015NM Prep	
890-8437-8	FS08	Total/NA	Solid	8015NM Prep	
890-8437-9	FS-09	Total/NA	Solid	8015NM Prep	
890-8437-10	FS10	Total/NA	Solid	8015NM Prep	
MB 880-113941/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113941/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113941/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8428-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8428-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 113942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-11	FS11	Total/NA	Solid	8015NM Prep	
890-8437-12	FS12	Total/NA	Solid	8015NM Prep	
890-8437-13	FS13	Total/NA	Solid	8015NM Prep	
890-8437-14	FS14	Total/NA	Solid	8015NM Prep	
890-8437-15	FS15	Total/NA	Solid	8015NM Prep	
890-8437-16	FS16	Total/NA	Solid	8015NM Prep	
890-8437-17	FS17	Total/NA	Solid	8015NM Prep	
890-8437-18	FS18	Total/NA	Solid	8015NM Prep	
890-8437-19	FS19	Total/NA	Solid	8015NM Prep	
890-8437-20	FS20	Total/NA	Solid	8015NM Prep	
890-8437-21	FS21	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC Semi VOA (Continued)

Prep Batch: 113942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-22	FS22	Total/NA	Solid	8015NM Prep	
890-8437-23	FS23	Total/NA	Solid	8015NM Prep	
890-8437-24	FS24	Total/NA	Solid	8015NM Prep	
890-8437-25	FS25	Total/NA	Solid	8015NM Prep	
890-8437-26	FS26	Total/NA	Solid	8015NM Prep	
890-8437-27	FS27	Total/NA	Solid	8015NM Prep	
890-8437-28	FS28	Total/NA	Solid	8015NM Prep	
890-8437-29	FS29	Total/NA	Solid	8015NM Prep	
MB 880-113942/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113942/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8437-11 MS	FS11	Total/NA	Solid	8015NM Prep	
890-8437-11 MSD	FS11	Total/NA	Solid	8015NM Prep	

Prep Batch: 113943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-31	FS31	Total/NA	Solid	8015NM Prep	
890-8437-32	FS32	Total/NA	Solid	8015NM Prep	
890-8437-33	FS33	Total/NA	Solid	8015NM Prep	
890-8437-34	FS34	Total/NA	Solid	8015NM Prep	
890-8437-35	FS35	Total/NA	Solid	8015NM Prep	
890-8437-36	SW01	Total/NA	Solid	8015NM Prep	
890-8437-37	SW02	Total/NA	Solid	8015NM Prep	
890-8437-38	SW03	Total/NA	Solid	8015NM Prep	
890-8437-39	SW04	Total/NA	Solid	8015NM Prep	
MB 880-113943/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113943/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8437-31 MS	FS31	Total/NA	Solid	8015NM Prep	
890-8437-31 MSD	FS31	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	8015B NM	113941
890-8437-2	FS02	Total/NA	Solid	8015B NM	113941
890-8437-3	FS03	Total/NA	Solid	8015B NM	113941
890-8437-4	FS04	Total/NA	Solid	8015B NM	113941
890-8437-5	FS05	Total/NA	Solid	8015B NM	113941
890-8437-6	FS06	Total/NA	Solid	8015B NM	113941
890-8437-7	FS07	Total/NA	Solid	8015B NM	113941
890-8437-8	FS08	Total/NA	Solid	8015B NM	113941
890-8437-9	FS-09	Total/NA	Solid	8015B NM	113941
890-8437-10	FS10	Total/NA	Solid	8015B NM	113941
890-8437-11	FS11	Total/NA	Solid	8015B NM	113942
890-8437-12	FS12	Total/NA	Solid	8015B NM	113942
890-8437-13	FS13	Total/NA	Solid	8015B NM	113942
890-8437-14	FS14	Total/NA	Solid	8015B NM	113942
890-8437-15	FS15	Total/NA	Solid	8015B NM	113942
890-8437-16	FS16	Total/NA	Solid	8015B NM	113942
890-8437-17	FS17	Total/NA	Solid	8015B NM	113942
890-8437-18	FS18	Total/NA	Solid	8015B NM	113942

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC Semi VOA (Continued)

Analysis Batch: 114088 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-19	FS19	Total/NA	Solid	8015B NM	113942
890-8437-20	FS20	Total/NA	Solid	8015B NM	113942
890-8437-21	FS21	Total/NA	Solid	8015B NM	113942
890-8437-22	FS22	Total/NA	Solid	8015B NM	113942
890-8437-23	FS23	Total/NA	Solid	8015B NM	113942
890-8437-24	FS24	Total/NA	Solid	8015B NM	113942
890-8437-25	FS25	Total/NA	Solid	8015B NM	113942
890-8437-26	FS26	Total/NA	Solid	8015B NM	113942
890-8437-27	FS27	Total/NA	Solid	8015B NM	113942
890-8437-28	FS28	Total/NA	Solid	8015B NM	113942
890-8437-29	FS29	Total/NA	Solid	8015B NM	113942
MB 880-113941/1-A	Method Blank	Total/NA	Solid	8015B NM	113941
MB 880-113942/1-A	Method Blank	Total/NA	Solid	8015B NM	113942
LCS 880-113941/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113941
LCS 880-113942/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113942
LCSD 880-113941/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113941
LCSD 880-113942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113942
890-8428-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	113941
890-8428-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	113941
890-8437-11 MS	FS11	Total/NA	Solid	8015B NM	113942
890-8437-11 MSD	FS11	Total/NA	Solid	8015B NM	113942

Analysis Batch: 114090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-31	FS31	Total/NA	Solid	8015B NM	113943
890-8437-32	FS32	Total/NA	Solid	8015B NM	113943
890-8437-33	FS33	Total/NA	Solid	8015B NM	113943
890-8437-34	FS34	Total/NA	Solid	8015B NM	113943
890-8437-35	FS35	Total/NA	Solid	8015B NM	113943
890-8437-36	SW01	Total/NA	Solid	8015B NM	113943
890-8437-37	SW02	Total/NA	Solid	8015B NM	113943
890-8437-38	SW03	Total/NA	Solid	8015B NM	113943
890-8437-39	SW04	Total/NA	Solid	8015B NM	113943
MB 880-113943/1-A	Method Blank	Total/NA	Solid	8015B NM	113943
LCS 880-113943/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113943
LCSD 880-113943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113943
890-8437-31 MS	FS31	Total/NA	Solid	8015B NM	113943
890-8437-31 MSD	FS31	Total/NA	Solid	8015B NM	113943

Prep Batch: 114112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-30	FS30	Total/NA	Solid	8015NM Prep	
MB 880-114112/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114112/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114112/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60318-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60318-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

GC Semi VOA (Continued)

Analysis Batch: 114200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-2	FS02	Total/NA	Solid	8015 NM	
890-8437-3	FS03	Total/NA	Solid	8015 NM	
890-8437-4	FS04	Total/NA	Solid	8015 NM	
890-8437-5	FS05	Total/NA	Solid	8015 NM	
890-8437-6	FS06	Total/NA	Solid	8015 NM	
890-8437-7	FS07	Total/NA	Solid	8015 NM	
890-8437-8	FS08	Total/NA	Solid	8015 NM	
890-8437-9	FS-09	Total/NA	Solid	8015 NM	
890-8437-10	FS10	Total/NA	Solid	8015 NM	
890-8437-11	FS11	Total/NA	Solid	8015 NM	
890-8437-12	FS12	Total/NA	Solid	8015 NM	
890-8437-13	FS13	Total/NA	Solid	8015 NM	
890-8437-14	FS14	Total/NA	Solid	8015 NM	
890-8437-15	FS15	Total/NA	Solid	8015 NM	
890-8437-16	FS16	Total/NA	Solid	8015 NM	
890-8437-17	FS17	Total/NA	Solid	8015 NM	
890-8437-18	FS18	Total/NA	Solid	8015 NM	
890-8437-19	FS19	Total/NA	Solid	8015 NM	
890-8437-20	FS20	Total/NA	Solid	8015 NM	
890-8437-21	FS21	Total/NA	Solid	8015 NM	
890-8437-22	FS22	Total/NA	Solid	8015 NM	
890-8437-23	FS23	Total/NA	Solid	8015 NM	
890-8437-24	FS24	Total/NA	Solid	8015 NM	
890-8437-25	FS25	Total/NA	Solid	8015 NM	
890-8437-26	FS26	Total/NA	Solid	8015 NM	
890-8437-27	FS27	Total/NA	Solid	8015 NM	
890-8437-28	FS28	Total/NA	Solid	8015 NM	
890-8437-29	FS29	Total/NA	Solid	8015 NM	
890-8437-30	FS30	Total/NA	Solid	8015 NM	
890-8437-31	FS31	Total/NA	Solid	8015 NM	
890-8437-32	FS32	Total/NA	Solid	8015 NM	
890-8437-33	FS33	Total/NA	Solid	8015 NM	
890-8437-34	FS34	Total/NA	Solid	8015 NM	
890-8437-35	FS35	Total/NA	Solid	8015 NM	
890-8437-36	SW01	Total/NA	Solid	8015 NM	
890-8437-37	SW02	Total/NA	Solid	8015 NM	
890-8437-38	SW03	Total/NA	Solid	8015 NM	
890-8437-39	SW04	Total/NA	Solid	8015 NM	

Analysis Batch: 114226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-30	FS30	Total/NA	Solid	8015B NM	114112
MB 880-114112/1-A	Method Blank	Total/NA	Solid	8015B NM	114112
LCS 880-114112/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114112
LCSD 880-114112/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114112
880-60318-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	114112
880-60318-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114112

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

HPLC/IC

Leach Batch: 113927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Soluble	Solid	DI Leach	
890-8437-2	FS02	Soluble	Solid	DI Leach	
890-8437-3	FS03	Soluble	Solid	DI Leach	
890-8437-4	FS04	Soluble	Solid	DI Leach	
890-8437-5	FS05	Soluble	Solid	DI Leach	
890-8437-6	FS06	Soluble	Solid	DI Leach	
890-8437-7	FS07	Soluble	Solid	DI Leach	
890-8437-8	FS08	Soluble	Solid	DI Leach	
890-8437-9	FS-09	Soluble	Solid	DI Leach	
890-8437-10	FS10	Soluble	Solid	DI Leach	
890-8437-11	FS11	Soluble	Solid	DI Leach	
890-8437-12	FS12	Soluble	Solid	DI Leach	
890-8437-13	FS13	Soluble	Solid	DI Leach	
890-8437-14	FS14	Soluble	Solid	DI Leach	
890-8437-15	FS15	Soluble	Solid	DI Leach	
890-8437-16	FS16	Soluble	Solid	DI Leach	
890-8437-17	FS17	Soluble	Solid	DI Leach	
890-8437-18	FS18	Soluble	Solid	DI Leach	
890-8437-19	FS19	Soluble	Solid	DI Leach	
890-8437-20	FS20	Soluble	Solid	DI Leach	
MB 880-113927/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113927/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113927/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8437-1 MS	FS01	Soluble	Solid	DI Leach	
890-8437-1 MSD	FS01	Soluble	Solid	DI Leach	
890-8437-11 MS	FS11	Soluble	Solid	DI Leach	
890-8437-11 MSD	FS11	Soluble	Solid	DI Leach	

Leach Batch: 113928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-21	FS21	Soluble	Solid	DI Leach	
890-8437-22	FS22	Soluble	Solid	DI Leach	
890-8437-23	FS23	Soluble	Solid	DI Leach	
890-8437-24	FS24	Soluble	Solid	DI Leach	
890-8437-25	FS25	Soluble	Solid	DI Leach	
890-8437-26	FS26	Soluble	Solid	DI Leach	
890-8437-27	FS27	Soluble	Solid	DI Leach	
890-8437-28	FS28	Soluble	Solid	DI Leach	
890-8437-29	FS29	Soluble	Solid	DI Leach	
890-8437-30	FS30	Soluble	Solid	DI Leach	
890-8437-31	FS31	Soluble	Solid	DI Leach	
890-8437-32	FS32	Soluble	Solid	DI Leach	
890-8437-33	FS33	Soluble	Solid	DI Leach	
890-8437-34	FS34	Soluble	Solid	DI Leach	
890-8437-35	FS35	Soluble	Solid	DI Leach	
890-8437-36	SW01	Soluble	Solid	DI Leach	
890-8437-37	SW02	Soluble	Solid	DI Leach	
890-8437-38	SW03	Soluble	Solid	DI Leach	
890-8437-39	SW04	Soluble	Solid	DI Leach	
MB 880-113928/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113928/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

HPLC/IC (Continued)

Leach Batch: 113928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-113928/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8437-21 MS	FS21	Soluble	Solid	DI Leach	
890-8437-21 MSD	FS21	Soluble	Solid	DI Leach	
890-8437-31 MS	FS31	Soluble	Solid	DI Leach	
890-8437-31 MSD	FS31	Soluble	Solid	DI Leach	

Analysis Batch: 113990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-21	FS21	Soluble	Solid	300.0	113928
890-8437-22	FS22	Soluble	Solid	300.0	113928
890-8437-23	FS23	Soluble	Solid	300.0	113928
890-8437-24	FS24	Soluble	Solid	300.0	113928
890-8437-25	FS25	Soluble	Solid	300.0	113928
890-8437-26	FS26	Soluble	Solid	300.0	113928
890-8437-27	FS27	Soluble	Solid	300.0	113928
890-8437-28	FS28	Soluble	Solid	300.0	113928
890-8437-29	FS29	Soluble	Solid	300.0	113928
890-8437-30	FS30	Soluble	Solid	300.0	113928
890-8437-31	FS31	Soluble	Solid	300.0	113928
890-8437-32	FS32	Soluble	Solid	300.0	113928
890-8437-33	FS33	Soluble	Solid	300.0	113928
890-8437-34	FS34	Soluble	Solid	300.0	113928
890-8437-35	FS35	Soluble	Solid	300.0	113928
890-8437-36	SW01	Soluble	Solid	300.0	113928
890-8437-37	SW02	Soluble	Solid	300.0	113928
890-8437-38	SW03	Soluble	Solid	300.0	113928
890-8437-39	SW04	Soluble	Solid	300.0	113928
MB 880-113928/1-A	Method Blank	Soluble	Solid	300.0	113928
LCS 880-113928/2-A	Lab Control Sample	Soluble	Solid	300.0	113928
LCSD 880-113928/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113928
890-8437-21 MS	FS21	Soluble	Solid	300.0	113928
890-8437-21 MSD	FS21	Soluble	Solid	300.0	113928
890-8437-31 MS	FS31	Soluble	Solid	300.0	113928
890-8437-31 MSD	FS31	Soluble	Solid	300.0	113928

Analysis Batch: 113992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-1	FS01	Soluble	Solid	300.0	113927
890-8437-2	FS02	Soluble	Solid	300.0	113927
890-8437-3	FS03	Soluble	Solid	300.0	113927
890-8437-4	FS04	Soluble	Solid	300.0	113927
890-8437-5	FS05	Soluble	Solid	300.0	113927
890-8437-6	FS06	Soluble	Solid	300.0	113927
890-8437-7	FS07	Soluble	Solid	300.0	113927
890-8437-8	FS08	Soluble	Solid	300.0	113927
890-8437-9	FS-09	Soluble	Solid	300.0	113927
890-8437-10	FS10	Soluble	Solid	300.0	113927
890-8437-11	FS11	Soluble	Solid	300.0	113927
890-8437-12	FS12	Soluble	Solid	300.0	113927
890-8437-13	FS13	Soluble	Solid	300.0	113927
890-8437-14	FS14	Soluble	Solid	300.0	113927

QC Association Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

HPLC/IC (Continued)

Analysis Batch: 113992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8437-15	FS15	Soluble	Solid	300.0	113927
890-8437-16	FS16	Soluble	Solid	300.0	113927
890-8437-17	FS17	Soluble	Solid	300.0	113927
890-8437-18	FS18	Soluble	Solid	300.0	113927
890-8437-19	FS19	Soluble	Solid	300.0	113927
890-8437-20	FS20	Soluble	Solid	300.0	113927
MB 880-113927/1-A	Method Blank	Soluble	Solid	300.0	113927
LCS 880-113927/2-A	Lab Control Sample	Soluble	Solid	300.0	113927
LCSD 880-113927/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113927
890-8437-1 MS	FS01	Soluble	Solid	300.0	113927
890-8437-1 MSD	FS01	Soluble	Solid	300.0	113927
890-8437-11 MS	FS11	Soluble	Solid	300.0	113927
890-8437-11 MSD	FS11	Soluble	Solid	300.0	113927

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS01
Lab Sample ID: 890-8437-1
Date Collected: 07/09/25 09:09
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 12:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 23:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 23:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 12:48	CS	EET MID

Client Sample ID: FS02
Lab Sample ID: 890-8437-2
Date Collected: 07/09/25 09:10
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 12:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 23:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 23:19	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 13:10	CS	EET MID

Client Sample ID: FS03
Lab Sample ID: 890-8437-3
Date Collected: 07/09/25 09:11
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 12:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 23:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 23:35	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 13:17	CS	EET MID

Client Sample ID: FS04
Lab Sample ID: 890-8437-4
Date Collected: 07/09/25 09:12
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 13:06	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS04
Lab Sample ID: 890-8437-4
Date Collected: 07/09/25 09:12
Matrix: Solid
Date Received: 07/10/25 12:38

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			114200	07/14/25 23:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 23:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 13:24	CS	EET MID

Client Sample ID: FS05
Lab Sample ID: 890-8437-5
Date Collected: 07/09/25 09:13
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 00:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 00:07	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 13:32	CS	EET MID

Client Sample ID: FS06
Lab Sample ID: 890-8437-6
Date Collected: 07/09/25 09:14
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 00:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 00:22	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 13:53	CS	EET MID

Client Sample ID: FS07
Lab Sample ID: 890-8437-7
Date Collected: 07/09/25 09:15
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 00:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 00:38	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS07
Lab Sample ID: 890-8437-7
Date Collected: 07/09/25 09:15
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:00	CS	EET MID

Client Sample ID: FS08
Lab Sample ID: 890-8437-8
Date Collected: 07/09/25 09:15
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 00:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 00:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:08	CS	EET MID

Client Sample ID: FS-09
Lab Sample ID: 890-8437-9
Date Collected: 07/09/25 09:53
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 01:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 01:10	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:15	CS	EET MID

Client Sample ID: FS10
Lab Sample ID: 890-8437-10
Date Collected: 07/09/25 09:56
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 15:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 01:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 01:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:22	CS	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS11
Lab Sample ID: 890-8437-11
Date Collected: 07/09/25 09:59
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 16:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 03:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 03:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:29	CS	EET MID

Client Sample ID: FS12
Lab Sample ID: 890-8437-12
Date Collected: 07/09/25 10:03
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 17:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 04:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 04:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:51	CS	EET MID

Client Sample ID: FS13
Lab Sample ID: 890-8437-13
Date Collected: 07/09/25 10:46
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 17:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 04:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 04:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 14:58	CS	EET MID

Client Sample ID: FS14
Lab Sample ID: 890-8437-14
Date Collected: 07/09/25 10:49
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:00	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS14
Lab Sample ID: 890-8437-14
Date Collected: 07/09/25 10:49
Matrix: Solid
Date Received: 07/10/25 12:38

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			114200	07/15/25 04:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 04:53	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:20	CS	EET MID

Client Sample ID: FS15
Lab Sample ID: 890-8437-15
Date Collected: 07/09/25 10:53
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 05:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 05:09	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:27	CS	EET MID

Client Sample ID: FS16
Lab Sample ID: 890-8437-16
Date Collected: 07/09/25 10:05
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 05:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 05:24	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:34	CS	EET MID

Client Sample ID: FS17
Lab Sample ID: 890-8437-17
Date Collected: 07/09/25 10:56
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 19:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 05:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.004 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 05:41	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS17
Lab Sample ID: 890-8437-17
Date Collected: 07/09/25 10:56
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:41	CS	EET MID

Client Sample ID: FS18
Lab Sample ID: 890-8437-18
Date Collected: 07/09/25 10:57
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 19:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 05:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 05:56	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:48	CS	EET MID

Client Sample ID: FS19
Lab Sample ID: 890-8437-19
Date Collected: 07/09/25 11:32
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 19:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 06:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 06:13	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 15:56	CS	EET MID

Client Sample ID: FS20
Lab Sample ID: 890-8437-20
Date Collected: 07/09/25 11:32
Matrix: Solid
Date Received: 07/10/25 12:38

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	113952	07/11/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113948	07/11/25 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 20:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 06:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 06:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113927	07/10/25 16:15	SA	EET MID
Soluble	Analysis	300.0		1			113992	07/11/25 16:03	CS	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS21
Lab Sample ID: 890-8437-21
Date Collected: 07/09/25 11:35
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 11:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 06:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 06:59	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 12:32	CS	EET MID

Client Sample ID: FS22
Lab Sample ID: 890-8437-22
Date Collected: 07/09/25 11:36
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 13:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 07:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 07:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 12:49	CS	EET MID

Client Sample ID: FS23
Lab Sample ID: 890-8437-23
Date Collected: 07/09/25 12:06
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 13:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 07:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 07:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 12:55	CS	EET MID

Client Sample ID: FS24
Lab Sample ID: 890-8437-24
Date Collected: 07/09/25 09:25
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:00	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS24
Lab Sample ID: 890-8437-24
Date Collected: 07/09/25 09:25
Matrix: Solid
Date Received: 07/10/25 12:38

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			114200	07/15/25 07:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 07:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:00	CS	EET MID

Client Sample ID: FS25
Lab Sample ID: 890-8437-25
Date Collected: 07/09/25 11:38
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 08:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 08:02	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:06	CS	EET MID

Client Sample ID: FS26
Lab Sample ID: 890-8437-26
Date Collected: 07/09/25 11:39
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 14:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 08:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 08:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:23	CS	EET MID

Client Sample ID: FS27
Lab Sample ID: 890-8437-27
Date Collected: 07/09/25 11:41
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 16:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 08:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 08:33	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS27
Lab Sample ID: 890-8437-27
Date Collected: 07/09/25 11:41
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:29	CS	EET MID

Client Sample ID: FS28
Lab Sample ID: 890-8437-28
Date Collected: 07/09/25 12:44
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 16:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 08:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 08:49	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:34	CS	EET MID

Client Sample ID: FS29
Lab Sample ID: 890-8437-29
Date Collected: 07/09/25 13:22
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 16:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 09:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113942	07/11/25 07:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/15/25 09:04	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:40	CS	EET MID

Client Sample ID: FS30
Lab Sample ID: 890-8437-30
Date Collected: 07/09/25 12:50
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 17:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/15/25 18:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114112	07/14/25 12:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114226	07/15/25 18:02	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:46	CS	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS31
Lab Sample ID: 890-8437-31
Date Collected: 07/09/25 12:53
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 17:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 11:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 11:31	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 13:51	CS	EET MID

Client Sample ID: FS32
Lab Sample ID: 890-8437-32
Date Collected: 07/09/25 12:45
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 17:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 12:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 12:18	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:08	CS	EET MID

Client Sample ID: FS33
Lab Sample ID: 890-8437-33
Date Collected: 07/09/25 12:47
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 12:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 12:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:14	CS	EET MID

Client Sample ID: FS34
Lab Sample ID: 890-8437-34
Date Collected: 07/09/25 12:48
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:37	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: FS34
Lab Sample ID: 890-8437-34
Date Collected: 07/09/25 12:48
Matrix: Solid
Date Received: 07/10/25 12:38

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			114200	07/14/25 12:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 12:50	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:31	CS	EET MID

Client Sample ID: FS35
Lab Sample ID: 890-8437-35
Date Collected: 07/09/25 13:25
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 18:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 13:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 13:06	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:37	CS	EET MID

Client Sample ID: SW01
Lab Sample ID: 890-8437-36
Date Collected: 07/09/25 09:52
Matrix: Solid
Date Received: 07/10/25 12:38

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	113953	07/11/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113946	07/11/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/11/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 13:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 13:22	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:42	CS	EET MID

Client Sample ID: SW02
Lab Sample ID: 890-8437-37
Date Collected: 07/09/25 10:50
Matrix: Solid
Date Received: 07/10/25 12:38

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	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/12/25 00:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 13:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 13:38	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Client Sample ID: SW02

Lab Sample ID: 890-8437-37
Date Collected: 07/09/25 10:50
Matrix: Solid
Date Received: 07/10/25 12:38

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	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:48	CS	EET MID

Client Sample ID: SW03

Lab Sample ID: 890-8437-38
Date Collected: 07/09/25 10:51
Matrix: Solid
Date Received: 07/10/25 12:38

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	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/12/25 01:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 13:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 13:54	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:54	CS	EET MID

Client Sample ID: SW04

Lab Sample ID: 890-8437-39
Date Collected: 07/09/25 09:29
Matrix: Solid
Date Received: 07/10/25 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114095	07/12/25 01:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			114200	07/14/25 14:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 14:09	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113928	07/10/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			113990	07/11/25 14:59	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Ensolum
Project/Site: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

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: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1
SDG: 03D2024352

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8437-1	FS01	Solid	07/09/25 09:09	07/10/25 12:38	0.5
890-8437-2	FS02	Solid	07/09/25 09:10	07/10/25 12:38	0.5
890-8437-3	FS03	Solid	07/09/25 09:11	07/10/25 12:38	0.5
890-8437-4	FS04	Solid	07/09/25 09:12	07/10/25 12:38	0.5
890-8437-5	FS05	Solid	07/09/25 09:13	07/10/25 12:38	0.5
890-8437-6	FS06	Solid	07/09/25 09:14	07/10/25 12:38	0.5
890-8437-7	FS07	Solid	07/09/25 09:15	07/10/25 12:38	0.5
890-8437-8	FS08	Solid	07/09/25 09:15	07/10/25 12:38	0.5
890-8437-9	FS-09	Solid	07/09/25 09:53	07/10/25 12:38	0.5
890-8437-10	FS10	Solid	07/09/25 09:56	07/10/25 12:38	0.5
890-8437-11	FS11	Solid	07/09/25 09:59	07/10/25 12:38	0.5
890-8437-12	FS12	Solid	07/09/25 10:03	07/10/25 12:38	0.5
890-8437-13	FS13	Solid	07/09/25 10:46	07/10/25 12:38	0.5
890-8437-14	FS14	Solid	07/09/25 10:49	07/10/25 12:38	1
890-8437-15	FS15	Solid	07/09/25 10:53	07/10/25 12:38	0.5
890-8437-16	FS16	Solid	07/09/25 10:05	07/10/25 12:38	1
890-8437-17	FS17	Solid	07/09/25 10:56	07/10/25 12:38	0.5
890-8437-18	FS18	Solid	07/09/25 10:57	07/10/25 12:38	0.5
890-8437-19	FS19	Solid	07/09/25 11:32	07/10/25 12:38	0.5
890-8437-20	FS20	Solid	07/09/25 11:32	07/10/25 12:38	0.5
890-8437-21	FS21	Solid	07/09/25 11:35	07/10/25 12:38	1
890-8437-22	FS22	Solid	07/09/25 11:36	07/10/25 12:38	1
890-8437-23	FS23	Solid	07/09/25 12:06	07/10/25 12:38	1
890-8437-24	FS24	Solid	07/09/25 09:25	07/10/25 12:38	8
890-8437-25	FS25	Solid	07/09/25 11:38	07/10/25 12:38	1
890-8437-26	FS26	Solid	07/09/25 11:39	07/10/25 12:38	1
890-8437-27	FS27	Solid	07/09/25 11:41	07/10/25 12:38	1
890-8437-28	FS28	Solid	07/09/25 12:44	07/10/25 12:38	1
890-8437-29	FS29	Solid	07/09/25 13:22	07/10/25 12:38	1
890-8437-30	FS30	Solid	07/09/25 12:50	07/10/25 12:38	0.5
890-8437-31	FS31	Solid	07/09/25 12:53	07/10/25 12:38	0.5
890-8437-32	FS32	Solid	07/09/25 12:45	07/10/25 12:38	0.5
890-8437-33	FS33	Solid	07/09/25 12:47	07/10/25 12:38	0.5
890-8437-34	FS34	Solid	07/09/25 12:48	07/10/25 12:38	0.5
890-8437-35	FS35	Solid	07/09/25 13:25	07/10/25 12:38	0.5
890-8437-36	SW01	Solid	07/09/25 09:52	07/10/25 12:38	0-0.5
890-8437-37	SW02	Solid	07/09/25 10:50	07/10/25 12:38	0-1
890-8437-38	SW03	Solid	07/09/25 10:51	07/10/25 12:38	0-1
890-8437-39	SW04	Solid	07/09/25 09:29	07/10/25 12:38	0-8

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890-8437 Chain of Custody

7/15/2025

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com, sbrooks@ensolum.com

Work Order Comments

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

Project Name:	Bandana Federal 126 CTB	Turn Around	
Project Number:	03D2024352	☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Sherele Brooks/Elizabeth Alvarez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tmco2
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021	TPH 8015	Chloride 300	Sample Comments
FS01	Soil	7/9/25	09:09	0.5'	C	1		X	X	X	
FS02			09:10	0.5'							
FS03			09:11	0.5'							
FS04			09:12	0.5'							
FS05			09:13	0.5'							
FS06			09:14	0.5'							
FS07			09:15	0.5'							
FS08			09:15	0.5'							
FS09			09:53	0.5'							
FS10			09:56	0.5'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Sherele Brooks	[signature]	12:38 7/10			
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

Received by OCD: 8/26/2025 9:39:44 AM

Released to Imaging: 10/7/2025 10:28:58 AM

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7/15/2025

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com, sbrooks@ensolum.com

Work Order Comments

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

Project Name:	Bandana Federal 126 CTB	Turn Around	
Project Number:	03D2044352	☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Sherrie Brooks + Elizabeth Alvarez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021	TPH 8015	Chloride 300	Sample Comments
FS11	Soil	7/9/25	09:59	0.5'	C	1		X	X	X	
FS12			10:03	0.5'							
FS13			10:46	0.5'							
FS14			10:49	1'							
FS15			10:53	0.5'							
FS16			10:55	1'							
FS17			10:56	0.5'							
FS18			10:57	0.5'							
FS19			11:32	0.5'							
FS20			11:32	0.5'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Sherrie Brooks	[signature]	12:38 7/10			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 8/26/2025 9:39:44 AM

Released to Imaging: 10/7/2025 10:28:58 AM

3 of 4

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com, shrooks@ensolum.com

Work Order Comments

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

Project Name:	Bandana Federal 126 GB	Turn Around	
Project Number:	03D2024352	☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Shirele Brooks/Elizabeth Alvarez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021	TPH 8015	Chloride 300	Sample Comments
FS21	Soil	7/9/25	11:35	1'	C	1		X	X	X	
FS22			11:36	1'							
FS23			12:06	1'							
FS24			09:25	8'							
FS25			11:38	1'							
FS26			11:39	1'							
FS27			11:41	1'							
FS28			12:44	1'							
FS29			13:22	1'							
FS30			12:50	0.5'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	12:38 7/10	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

Received by OCD: 8/26/2025 9:39:44 AM

Released to Imaging: 10/7/2025 10:28:58 AM

4 of 4

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com, sbrooks@ensolum.com

Work Order Comments

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

Project Name:	Bandana Federal 126	CTB Turn Around	
Project Number:	03D2024352	☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Shuck Brooks + Elizabeth Alvarez	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
~~HCL: HC~~ | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021	TPH 8015	Chloride 300	Sample Comments
FS31	Soil	7/9/25	12:53	0.5'	C	1				
FS32			12:45	0.5'						
FS33			12:47	0.5'						
FS34			12:48	0.5'						
FS35			13:25	0.5'						
SW01			09:52	0-0.5'						
SW02			10:50	0-1'						
SW03			10:51	0-1'						
SW04			09:29	0-8'						

not used SB 7/9/25

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Shuck Brooks	[signature]	12:38 7/9			
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

Received by OCD: 8/26/2025 9:39:44 AM

Released to Imaging: 10/7/2025 10:28:58 AM

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8437-1
SDG Number: 03D2024352

Login Number: 8437
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8437-1
SDG Number: 03D2024352

Login Number: 8437
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/11/25 08:36 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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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/29/2025 3:09:38 PM Revision 1

JOB DESCRIPTION

Bandana Federal 12G CTB
Lea County

JOB NUMBER

880-60803-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/7/2025 10:28:38 AM

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

JKRAMER

Generated
7/29/2025 3:09:38 PM
Revision 1

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

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Definitions/Glossary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Bandana Federal 12G CTB

Job ID: 880-60803-1

Job ID: 880-60803-1 Eurofins Midland

Job Narrative
880-60803-1

REVISION

The report being provided is a revision of the original report sent on 7/28/2025. The report (revision 1) is being revised due to Per client email, requesting TPH re run.

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

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

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

Receipt
The samples were received on 7/25/2025 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS19 (880-60803-1), FS20 (880-60803-2), FS34 (880-60803-4) and SW05 (880-60803-5). 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.

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS19

Lab Sample ID: 880-60803-1
Matrix: Solid

Date Collected: 07/25/25 09:42
Date Received: 07/25/25 14:00
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		07/25/25 17:00	07/26/25 21:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/25/25 17:00	07/26/25 21:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/25/25 17:00	07/26/25 21:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/25/25 17:00	07/26/25 21:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/25/25 17:00	07/26/25 21:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/25/25 17:00	07/26/25 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/25/25 17:00*	*07/26/25 21:33*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/25/25 17:00*	*07/26/25 21:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/26/25 21:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			07/26/25 11:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		07/25/25 15:59	07/26/25 11:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/25/25 15:59	07/26/25 11:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/25/25 15:59	07/26/25 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*07/25/25 15:59*	*07/26/25 11:15*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*07/25/25 15:59*	*07/26/25 11:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.7**		10.0	mg/Kg			07/28/25 13:11	1

Client Sample ID: FS20

Lab Sample ID: 880-60803-2
Matrix: Solid

Date Collected: 07/25/25 09:44
Date Received: 07/25/25 14:00
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		07/25/25 17:00	07/26/25 21:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 21:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 21:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/25/25 17:00	07/26/25 21:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 21:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/25/25 17:00	07/26/25 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/25/25 17:00*	*07/26/25 21:54*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS20

Lab Sample ID: 880-60803-2
Matrix: Solid

Date Collected: 07/25/25 09:44
Date Received: 07/25/25 14:00
Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	07/25/25 17:00	07/26/25 21:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/26/25 21:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			07/26/25 11:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/25/25 15:59	07/26/25 11:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/25/25 15:59	07/26/25 11:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/25/25 15:59	07/26/25 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	07/25/25 15:59	07/26/25 11:31	1
o-Terphenyl	67	S1-	70 - 130	07/25/25 15:59	07/26/25 11:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.3**		10.1	mg/Kg			07/28/25 13:19	1

Client Sample ID: FS22

Lab Sample ID: 880-60803-3
Matrix: Solid

Date Collected: 07/25/25 09:46
Date Received: 07/25/25 14:00
Sample Depth: 1.05'

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		07/25/25 17:00	07/26/25 22:14	1
Toluene	**0.00290**		0.00201	mg/Kg		07/25/25 17:00	07/26/25 22:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/25/25 17:00	07/26/25 22:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/25/25 17:00	07/26/25 22:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/25/25 17:00	07/26/25 22:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/25/25 17:00	07/26/25 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/25/25 17:00	07/26/25 22:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/25/25 17:00	07/26/25 22:14	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			07/26/25 22:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/26/25 11:47	1

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS22

Lab Sample ID: 880-60803-3
Matrix: Solid

Date Collected: 07/25/25 09:46
Date Received: 07/25/25 14:00
Sample Depth: 1.05'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/25/25 15:59	07/26/25 11:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/25/25 15:59	07/26/25 11:47	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/25/25 15:59	07/26/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*07/25/25 15:59*	*07/26/25 11:47*	*1*
o-Terphenyl	*77*		*70 - 130*	*07/25/25 15:59*	*07/26/25 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.5**		10.1	mg/Kg			07/28/25 13:26	1

Client Sample ID: FS34

Lab Sample ID: 880-60803-4
Matrix: Solid

Date Collected: 07/25/25 09:48
Date Received: 07/25/25 14:00
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		07/25/25 17:00	07/26/25 22:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 22:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 22:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/25/25 17:00	07/26/25 22:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 22:35	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/25/25 17:00	07/26/25 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/25/25 17:00*	*07/26/25 22:35*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/25/25 17:00*	*07/26/25 22:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/26/25 22:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/26/25 12:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/25/25 15:59	07/26/25 12:04	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/25/25 15:59	07/26/25 12:04	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/25/25 15:59	07/26/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*07/25/25 15:59*	*07/26/25 12:04*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*07/25/25 15:59*	*07/26/25 12:04*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS34

Lab Sample ID: 880-60803-4
Matrix: Solid

Date Collected: 07/25/25 09:48
Date Received: 07/25/25 14:00
Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		9.98	mg/Kg			07/28/25 13:34	1

Client Sample ID: SW05

Lab Sample ID: 880-60803-5
Matrix: Solid

Date Collected: 07/25/25 08:50
Date Received: 07/25/25 14:00
Sample Depth: 0-0.5

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		07/25/25 17:00	07/26/25 18:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 18:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 18:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/25/25 17:00	07/26/25 18:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/25/25 17:00	07/26/25 18:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/25/25 17:00	07/26/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*07/25/25 17:00*	*07/26/25 18:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/25/25 17:00*	*07/26/25 18:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/26/25 18:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		50.3	mg/Kg			07/29/25 11:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/28/25 17:08	07/29/25 11:23	1
Diesel Range Organics (Over C10-C28)	121		50.3	mg/Kg		07/28/25 17:08	07/29/25 11:23	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/28/25 17:08	07/29/25 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*07/28/25 17:08*	*07/29/25 11:23*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/28/25 17:08*	*07/29/25 11:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.96	mg/Kg			07/28/25 13:42	1

Surrogate Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60803-1	FS19	99	94
880-60803-2	FS20	99	102
880-60803-3	FS22	90	99
880-60803-4	FS34	99	97
880-60803-5	SW05	123	90
LCS 880-114952/1-A	Lab Control Sample	110	102
LCS 880-115040/1-A	Lab Control Sample	91	105
LCSD 880-114952/2-A	Lab Control Sample Dup	122	96
LCSD 880-115040/2-A	Lab Control Sample Dup	102	109
MB 880-114894/5-A	Method Blank	111	90
MB 880-114952/5-A	Method Blank	108	92
MB 880-115040/5-A	Method Blank	99	97

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-60803-1	FS19	77	69 S1-
880-60803-2	FS20	78	67 S1-
880-60803-3	FS22	84	77
880-60803-4	FS34	75	68 S1-
880-60803-5	SW05	72	74
LCS 880-115057/2-A	Lab Control Sample	105	107
LCS 880-115243/2-A	Lab Control Sample	115	114
LCSD 880-115057/3-A	Lab Control Sample Dup	94	96
LCSD 880-115243/3-A	Lab Control Sample Dup	114	113
MB 880-115057/1-A	Method Blank	113	109
MB 880-115243/1-A	Method Blank	95	105

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114894/5-A
Matrix: Solid
Analysis Batch: 115003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114894

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/24/25 10:36	07/25/25 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/24/25 10:36	07/25/25 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/24/25 10:36	07/25/25 22:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/24/25 10:36	07/25/25 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/24/25 10:36	07/25/25 22:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/24/25 10:36	07/25/25 22:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/24/25 10:36*	*07/25/25 22:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/24/25 10:36*	*07/25/25 22:54*	*1*

Lab Sample ID: MB 880-114952/5-A
Matrix: Solid
Analysis Batch: 115003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114952

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/24/25 14:28	07/26/25 09:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/24/25 14:28	07/26/25 09:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/24/25 14:28	07/26/25 09:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/24/25 14:28	07/26/25 09:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/24/25 14:28	07/26/25 09:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/24/25 14:28	07/26/25 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/24/25 14:28*	*07/26/25 09:51*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/24/25 14:28*	*07/26/25 09:51*	*1*

Lab Sample ID: LCS 880-114952/1-A
Matrix: Solid
Analysis Batch: 115003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114952

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1075		mg/Kg		107	70 - 130		
Toluene			0.100	0.09226		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.09633		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1860		mg/Kg		93	70 - 130		
o-Xylene			0.100	0.09536		mg/Kg		95	70 - 130		

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

Lab Sample ID: LCSD 880-114952/2-A
Matrix: Solid
Analysis Batch: 115003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114952

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1044		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-114952/2-A
Matrix: Solid
Analysis Batch: 115003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114952

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09898		mg/Kg		99	70 - 130	7	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109	70 - 130	16	35
o-Xylene	0.100	0.1113		mg/Kg		111	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-115040/5-A
Matrix: Solid
Analysis Batch: 115077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115040

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/25/25 11:41	07/26/25 14:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/25/25 11:41	07/26/25 14:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/25/25 11:41	07/26/25 14:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/25/25 11:41	07/26/25 14:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/25/25 11:41	07/26/25 14:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/25/25 11:41	07/26/25 14:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/25/25 11:41*	*07/26/25 14:30*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/25/25 11:41*	*07/26/25 14:30*	*1*

Lab Sample ID: LCS 880-115040/1-A
Matrix: Solid
Analysis Batch: 115077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08901		mg/Kg		89	70 - 130
Toluene	0.100	0.08070		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08415		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1655		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08490		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-115040/2-A
Matrix: Solid
Analysis Batch: 115077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115040

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	17	35
Toluene	0.100	0.09647		mg/Kg		96	70 - 130	18	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	22	35

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-115040/2-A
Matrix: Solid
Analysis Batch: 115077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115040

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.2089		mg/Kg		104	70 - 130	23	35
o-Xylene			0.100	0.1038		mg/Kg		104	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: MB 880-115057/1-A
Matrix: Solid
Analysis Batch: 115009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115057

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		07/25/25 15:21	07/26/25 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/25 15:21	07/26/25 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/25 15:21	07/26/25 08:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*07/25/25 15:21*	*07/26/25 08:16*	*1*
o-Terphenyl	*109*		*70 - 130*	*07/25/25 15:21*	*07/26/25 08:16*	*1*

Lab Sample ID: LCS 880-115057/2-A
Matrix: Solid
Analysis Batch: 115009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115057

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	966.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1095		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-115057/3-A
Matrix: Solid
Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115057

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.2		mg/Kg		88	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	961.6		mg/Kg		96	70 - 130	13	20

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-115057/3-A
Matrix: Solid
Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115057

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: MB 880-115243/1-A
Matrix: Solid
Analysis Batch: 115268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115243

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		07/28/25 17:07	07/29/25 05:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/28/25 17:07	07/29/25 05:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/28/25 17:07	07/29/25 05:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/28/25 17:07	07/29/25 05:29	1
o-Terphenyl	105		70 - 130	07/28/25 17:07	07/29/25 05:29	1

Lab Sample ID: LCS 880-115243/2-A
Matrix: Solid
Analysis Batch: 115268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115243

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	998.1		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	846.0		mg/Kg		85	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-115243/3-A
Matrix: Solid
Analysis Batch: 115268

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115243

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	997.8		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	841.2		mg/Kg		84	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	113		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115060/1-A
Matrix: Solid
Analysis Batch: 115093

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			07/28/25 09:53	1

Lab Sample ID: LCS 880-115060/2-A
Matrix: Solid
Analysis Batch: 115093

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.4		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-115060/3-A
Matrix: Solid
Analysis Batch: 115093

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	239.9		mg/Kg		96	90 - 110	6	20

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

GC VOA

Prep Batch: 114894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114894/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 114952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-5	SW05	Total/NA	Solid	5035	
MB 880-114952/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114952/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114952/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 115003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-5	SW05	Total/NA	Solid	8021B	114952
MB 880-114894/5-A	Method Blank	Total/NA	Solid	8021B	114894
MB 880-114952/5-A	Method Blank	Total/NA	Solid	8021B	114952
LCS 880-114952/1-A	Lab Control Sample	Total/NA	Solid	8021B	114952
LCSD 880-114952/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114952

Prep Batch: 115040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	5035	
880-60803-2	FS20	Total/NA	Solid	5035	
880-60803-3	FS22	Total/NA	Solid	5035	
880-60803-4	FS34	Total/NA	Solid	5035	
MB 880-115040/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115040/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115040/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 115077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	8021B	115040
880-60803-2	FS20	Total/NA	Solid	8021B	115040
880-60803-3	FS22	Total/NA	Solid	8021B	115040
880-60803-4	FS34	Total/NA	Solid	8021B	115040
MB 880-115040/5-A	Method Blank	Total/NA	Solid	8021B	115040
LCS 880-115040/1-A	Lab Control Sample	Total/NA	Solid	8021B	115040
LCSD 880-115040/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115040

Analysis Batch: 115178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	Total BTEX	
880-60803-2	FS20	Total/NA	Solid	Total BTEX	
880-60803-3	FS22	Total/NA	Solid	Total BTEX	
880-60803-4	FS34	Total/NA	Solid	Total BTEX	
880-60803-5	SW05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 115009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	8015B NM	115057
880-60803-2	FS20	Total/NA	Solid	8015B NM	115057

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 115009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-3	FS22	Total/NA	Solid	8015B NM	115057
880-60803-4	FS34	Total/NA	Solid	8015B NM	115057
MB 880-115057/1-A	Method Blank	Total/NA	Solid	8015B NM	115057
LCS 880-115057/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115057
LCSD 880-115057/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115057

Prep Batch: 115057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	8015NM Prep	
880-60803-2	FS20	Total/NA	Solid	8015NM Prep	
880-60803-3	FS22	Total/NA	Solid	8015NM Prep	
880-60803-4	FS34	Total/NA	Solid	8015NM Prep	
MB 880-115057/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115057/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115057/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Total/NA	Solid	8015 NM	
880-60803-2	FS20	Total/NA	Solid	8015 NM	
880-60803-3	FS22	Total/NA	Solid	8015 NM	
880-60803-4	FS34	Total/NA	Solid	8015 NM	
880-60803-5	SW05	Total/NA	Solid	8015 NM	

Prep Batch: 115243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-5	SW05	Total/NA	Solid	8015NM Prep	
MB 880-115243/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115243/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115243/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-5	SW05	Total/NA	Solid	8015B NM	115243
MB 880-115243/1-A	Method Blank	Total/NA	Solid	8015B NM	115243
LCS 880-115243/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115243
LCSD 880-115243/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115243

HPLC/IC

Leach Batch: 115060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Soluble	Solid	DI Leach	
880-60803-2	FS20	Soluble	Solid	DI Leach	
880-60803-3	FS22	Soluble	Solid	DI Leach	
880-60803-4	FS34	Soluble	Solid	DI Leach	
880-60803-5	SW05	Soluble	Solid	DI Leach	
MB 880-115060/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115060/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115060/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

HPLC/IC

Analysis Batch: 115093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60803-1	FS19	Soluble	Solid	300.0	115060
880-60803-2	FS20	Soluble	Solid	300.0	115060
880-60803-3	FS22	Soluble	Solid	300.0	115060
880-60803-4	FS34	Soluble	Solid	300.0	115060
880-60803-5	SW05	Soluble	Solid	300.0	115060
MB 880-115060/1-A	Method Blank	Soluble	Solid	300.0	115060
LCS 880-115060/2-A	Lab Control Sample	Soluble	Solid	300.0	115060
LCSD 880-115060/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115060

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS19
Date Collected: 07/25/25 09:42
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115040	MNR	EET MID	07/25/25 17:00
Total/NA	Analysis	8021B		1	115077	MNR	EET MID	07/26/25 21:33
Total/NA	Analysis	Total BTEX		1	115178	SA	EET MID	07/26/25 21:33
Total/NA	Analysis	8015 NM		1	115123	SA	EET MID	07/26/25 11:15
Total/NA	Prep	8015NM Prep			115057	TKC	EET MID	07/25/25 15:59
Total/NA	Analysis	8015B NM		1	115009	TKC	EET MID	07/26/25 11:15
Soluble	Leach	DI Leach			115060	SMC	EET MID	07/25/25 16:08
Soluble	Analysis	300.0		1	115093	CS	EET MID	07/28/25 13:11

Client Sample ID: FS20
Date Collected: 07/25/25 09:44
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115040	MNR	EET MID	07/25/25 17:00
Total/NA	Analysis	8021B		1	115077	MNR	EET MID	07/26/25 21:54
Total/NA	Analysis	Total BTEX		1	115178	SA	EET MID	07/26/25 21:54
Total/NA	Analysis	8015 NM		1	115123	SA	EET MID	07/26/25 11:31
Total/NA	Prep	8015NM Prep			115057	TKC	EET MID	07/25/25 15:59
Total/NA	Analysis	8015B NM		1	115009	TKC	EET MID	07/26/25 11:31
Soluble	Leach	DI Leach			115060	SMC	EET MID	07/25/25 16:08
Soluble	Analysis	300.0		1	115093	CS	EET MID	07/28/25 13:19

Client Sample ID: FS22
Date Collected: 07/25/25 09:46
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115040	MNR	EET MID	07/25/25 17:00
Total/NA	Analysis	8021B		1	115077	MNR	EET MID	07/26/25 22:14
Total/NA	Analysis	Total BTEX		1	115178	SA	EET MID	07/26/25 22:14
Total/NA	Analysis	8015 NM		1	115123	SA	EET MID	07/26/25 11:47
Total/NA	Prep	8015NM Prep			115057	TKC	EET MID	07/25/25 15:59
Total/NA	Analysis	8015B NM		1	115009	TKC	EET MID	07/26/25 11:47
Soluble	Leach	DI Leach			115060	SMC	EET MID	07/25/25 16:08
Soluble	Analysis	300.0		1	115093	CS	EET MID	07/28/25 13:26

Client Sample ID: FS34
Date Collected: 07/25/25 09:48
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115040	MNR	EET MID	07/25/25 17:00
Total/NA	Analysis	8021B		1	115077	MNR	EET MID	07/26/25 22:35
Total/NA	Analysis	Total BTEX		1	115178	SA	EET MID	07/26/25 22:35

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Client Sample ID: FS34
Date Collected: 07/25/25 09:48
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	115123	SA	EET MID	07/26/25 12:04
Total/NA	Prep	8015NM Prep			115057	TKC	EET MID	07/25/25 15:59
Total/NA	Analysis	8015B NM		1	115009	TKC	EET MID	07/26/25 12:04
Soluble	Leach	DI Leach			115060	SMC	EET MID	07/25/25 16:08
Soluble	Analysis	300.0		1	115093	CS	EET MID	07/28/25 13:34

Client Sample ID: SW05
Date Collected: 07/25/25 08:50
Date Received: 07/25/25 14:00

Lab Sample ID: 880-60803-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			114952	MNR	EET MID	07/25/25 17:00
Total/NA	Analysis	8021B		1	115003	MNR	EET MID	07/26/25 18:14
Total/NA	Analysis	Total BTEX		1	115178	SA	EET MID	07/26/25 18:14
Total/NA	Analysis	8015 NM		1	115123	SA	EET MID	07/29/25 11:23
Total/NA	Prep	8015NM Prep			115243	EL	EET MID	07/28/25 17:08
Total/NA	Analysis	8015B NM		1	115268	TKC	EET MID	07/29/25 11:23
Soluble	Leach	DI Leach			115060	SMC	EET MID	07/25/25 16:08
Soluble	Analysis	300.0		1	115093	CS	EET MID	07/28/25 13:42

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-60803-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-60803-1	FS19	Solid	07/25/25 09:42	07/25/25 14:00	1'
880-60803-2	FS20	Solid	07/25/25 09:44	07/25/25 14:00	1'
880-60803-3	FS22	Solid	07/25/25 09:46	07/25/25 14:00	1.05'
880-60803-4	FS34	Solid	07/25/25 09:48	07/25/25 14:00	1'
880-60803-5	SW05	Solid	07/25/25 08:50	07/25/25 14:00	0-0.5

Released to Imaging: 10/7/2025 10:28:58 AM

Received by OCD: 8/26/2025 9:39:44 AM

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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

880-60803 Chain of Custody

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

Work Order Comments

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

Project Name:	Bandana Federal 126 CTB	Turn Around	☒ Routine ☐ Rush
Project Number:	03D2024352		
Project Location:	Lea County	Due Date:	2-day
Sampler's Name:	Tabitha Guardian	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	03D2024352		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.1	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	8.7	
Total Containers:		Corrected Temperature:	8.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; NaHSO$_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH 8015	Chlorides	Sample Comments
FS19	S	7/25/25	0942	1'	C	1	X	X	X	
FS20	S	↓	0944	1'	↓	1	X	X	X	
FS22	S	↓	0946	1.5'	↓	1	X	X	X	
FS34	S	↓	0948	1	↓	1	X	X	X	
SW05	S	↓	0950	0-0.5'	↓	1	X	X	X	
NFE					7/25/25					TNO

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7/25/25 1900	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-60803-1
SDG Number: Lea County

Login Number: 60803
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2025 11:38:23 AM

JOB DESCRIPTION

Bandana Federal 12G CTB
lea County

JOB NUMBER

880-61110-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/7/2025 10:28:38 AM

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

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8/7/2025 11:38:23 AM

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

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Definitions/Glossary

Client: Ensolum
Job ID: 880-61110-1
Project/Site: Bandana Federal 12G CTB
SDG: lea County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Bandana Federal 12G CTB

Job ID: 880-61110-1

Job ID: 880-61110-1 Eurofins Midland

Job Narrative
880-61110-1

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

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

Receipt
The sample was received on 8/5/2025 1:28 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

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

Diesel Range Organics
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.

Client Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Client Sample ID: SW05

Date Collected: 08/05/25 09:30
Date Received: 08/05/25 13:28

Lab Sample ID: 880-61110-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/05/25 16:05	08/06/25 16:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/05/25 16:05	08/06/25 16:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/05/25 16:05	08/06/25 16:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/05/25 16:05	08/06/25 16:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/05/25 16:05	08/06/25 16:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/05/25 16:05	08/06/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*08/05/25 16:05*	*08/06/25 16:36*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/05/25 16:05*	*08/06/25 16:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/06/25 16:36	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			08/06/25 23:22	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	49.9		mg/Kg		08/04/25 15:43	08/06/25 23:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 15:43	08/06/25 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 15:43	08/06/25 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/04/25 15:43*	*08/06/25 23:22*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/04/25 15:43*	*08/06/25 23:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.1**		9.98		mg/Kg			08/06/25 18:41	1

Surrogate Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-61110-1	SW05	124	87
LCS 880-115904/1-A	Lab Control Sample	102	98
LCSD 880-115904/2-A	Lab Control Sample Dup	102	100
MB 880-115904/5-A	Method Blank	106	90

Percent Surrogate Recovery (Acceptance Limits)

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	1CO1 (70-130)	OTPH1 (70-130)
880-61110-1	SW05	92	91
LCS 880-115794/2-A	Lab Control Sample	108	102
LCSD 880-115794/3-A	Lab Control Sample Dup	113	105
MB 880-115794/1-A	Method Blank	91	93

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115904/5-A
Matrix: Solid
Analysis Batch: 115926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115904

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/05/25 16:05	08/06/25 11:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/05/25 16:05	08/06/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/05/25 16:05	08/06/25 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/05/25 16:05	08/06/25 11:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/05/25 16:05	08/06/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/05/25 16:05	08/06/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/05/25 16:05*	*08/06/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/05/25 16:05*	*08/06/25 11:36*	*1*

Lab Sample ID: LCS 880-115904/1-A
Matrix: Solid
Analysis Batch: 115926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	0.100	0.1007		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09329		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1888		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09231		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-115904/2-A
Matrix: Solid
Analysis Batch: 115926

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	6	35
Toluene	0.100	0.1064		mg/Kg		106	70 - 130	6	35
Ethylbenzene	0.100	0.09856		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1993		mg/Kg		100	70 - 130	5	35
o-Xylene	0.100	0.09718		mg/Kg		97	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

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

Lab Sample ID: MB 880-115794/1-A
Matrix: Solid
Analysis Batch: 115962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115794

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		08/04/25 15:43	08/06/25 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 15:43	08/06/25 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 15:43	08/06/25 17:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/04/25 15:43*	*08/06/25 17:51*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/04/25 15:43*	*08/06/25 17:51*	*1*

Lab Sample ID: LCS 880-115794/2-A
Matrix: Solid
Analysis Batch: 115962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115794

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	963.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.7		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-115794/3-A
Matrix: Solid
Analysis Batch: 115962

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115794

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1049		mg/Kg		105	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	998.8		mg/Kg		100	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115934/1-A
Matrix: Solid
Analysis Batch: 115981

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			08/06/25 17:56	1

QC Sample Results

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-115934/2-A
Matrix: Solid
Analysis Batch: 115981

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	228.5		mg/Kg		91	90 - 110		

Lab Sample ID: LCSD 880-115934/3-A
Matrix: Solid
Analysis Batch: 115981

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	228.9		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

GC VOA

Prep Batch: 115904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	5035	
MB 880-115904/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115904/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115904/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 115926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	8021B	115904
MB 880-115904/5-A	Method Blank	Total/NA	Solid	8021B	115904
LCS 880-115904/1-A	Lab Control Sample	Total/NA	Solid	8021B	115904
LCSD 880-115904/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115904

Analysis Batch: 116113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	8015NM Prep	
MB 880-115794/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115794/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	8015B NM	115794
MB 880-115794/1-A	Method Blank	Total/NA	Solid	8015B NM	115794
LCS 880-115794/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115794
LCSD 880-115794/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115794

Analysis Batch: 116091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Soluble	Solid	DI Leach	
MB 880-115934/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 115981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61110-1	SW05	Soluble	Solid	300.0	115934
MB 880-115934/1-A	Method Blank	Soluble	Solid	300.0	115934
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	300.0	115934
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115934

Lab Chronicle

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Client Sample ID: SW05

Date Collected: 08/05/25 09:30
Date Received: 08/05/25 13:28

Lab Sample ID: 880-61110-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115904	MNR	EET MID	08/05/25 16:05
Total/NA	Analysis	8021B		1	115926	MNR	EET MID	08/06/25 16:36
Total/NA	Analysis	Total BTEX		1	116113	SA	EET MID	08/06/25 16:36
Total/NA	Analysis	8015 NM		1	116091	SA	EET MID	08/06/25 23:22
Total/NA	Prep	8015NM Prep			115794	EL	EET MID	08/04/25 15:43
Total/NA	Analysis	8015B NM		1	115962	TKC	EET MID	08/06/25 23:22
Soluble	Leach	DI Leach			115934	SI	EET MID	08/06/25 08:38
Soluble	Analysis	300.0		1	115981	CS	EET MID	08/06/25 18:41

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 880-61110-1
Project/Site: Bandana Federal 12G CTB
SDG: lea County

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
SDG: lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61110-1	SW05	Solid	08/05/25 09:30	08/05/25 13:28	New Mexico

Released to Imaging: 10/7/2025 10:28:58 AM

Received by OCD: 8/26/2025 9:39:44 AM

eurofins | Environment Testing Xenco

Chain of Custody

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

880-61110 Chain of Custody

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

Work Order Comments

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

Project Name:	Bandana Federal 12G CTB	Turn Around	☐ Routine ☐ Rush
Project Number:	03D2024352	Due Date:	
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Tabitha Guadian		
PO #:	03D2024352		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.6
Total Containers:		Corrected Temperature:	1.5

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021	TPH 8015	Chlorides 300	Sample Comments
SW05	S	8/5/25	0930	0-0.5	C	1	X	X	X	
NFE					8/5/25					TNG

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8/5/25 1328	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-61110-1
SDG Number: lea County

Login Number: 61110
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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QUESTIONS

Action 499290

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2512834713**
Incident Name	**NAPP2512834713 BANDANA 12G CTB @ FAPP2417645381**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2417645381] BANDANA FEDERAL 12 G CTB**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Bandana 12G CTB
Date Release Discovered	05/04/2025
Surface Owner	Private

Incident Details *Please answer all the questions in this group.*	
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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Corrosion | Pump | Crude Oil | Released: 1 BBL | Recovered: 1 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Pump | Produced Water | Released: 6 BBL | Recovered: 6 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/08/2025

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499290
	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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	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	None
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
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.	
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)	329
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	957
GRO+DRO (EPA SW-846 Method 8015M)	957
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	05/04/2025
On what date will (or did) the final sampling or liner inspection occur	08/05/2025
On what date will (or was) the remediation complete(d)	08/05/2025
What is the estimated surface area (in square feet) that will be reclaimed	6300
What is the estimated volume (in cubic yards) that will be reclaimed	235
What is the estimated surface area (in square feet) that will be remediated	6300
What is the estimated volume (in cubic yards) that will be remediated	235
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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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued) *Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/26/2025
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 (continued)

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	Action Number: 499290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**490572**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/05/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

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	6300
What was the total volume (cubic yards) remediated	235
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	6300
What was the total volume (in cubic yards) reclaimed	235
Summarize any additional remediation activities not included by answers (above)	na

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/26/2025

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QUESTIONS (continued)

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	Action Number: 499290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report *Only answer the questions in this group if all reclamation steps have been completed.*	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 499290

CONDITIONS

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	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 #nAPP2512834713 Bandana 12G CTB, thank you. This Remediation Closure Report is approved.	10/7/2025