



November 20, 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: Reclamation Report
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 the following *Reclamation Report* for the Bandana Federal 12G CTB (Site). The *Reclamation Report* documents the Site history and reclamation activities completed to date.

BACKGROUND

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 New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on May 8, 2025. The release was assigned Incident Number nAPP2512834713.

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, inspected, and determined to be operating as designed. Upon inspection, no rips, tears, holes, or damage was observed.

Excavation of impacted soil was completed at the Site between July 2025 and August 2025. Based on the excavation soil sample analytical results, a *Closure Request* was submitted to the NMOCD on August 26, 2025, and approved on October 7, 2025. Additional details regarding the release, Site Characterization, excavation activities, and soil sample analytical results can be referenced in the approved *Closure Request*, included as Attachment I. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

COG Operating, LLC
Reclamation Report
Bandana Federal 12G CTB

RECLAMATION ACTIVITIES

The excavation area measured approximately 6,300 square feet. A total of approximately 235 cubic yards of impacted soil were removed during the excavation activities. Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled and the area was restored to its original condition. The excavation area on the active pad was backfilled with caliche. Since the excavation remained on an active pad, revegetation was not required. The excavation extent and reclamation area are depicted on the attached Figure 1. Photographic documentation is included in Appendix A.

One representative 5-point composite sample (BF01) was collected from the backfill material on November 3, 2025. The backfill soil sample was transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COC): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for the backfill soil sample confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix B.

RECLAMATION APPROVAL REQUEST

Based on the reclamation activities completed to date, COG respectfully requests approval of this *Reclamation Report* and a status update to *Incident Closure Approved* for Incident Number nAPP2512834713.

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

Sincerely,
Ensolum, LLC



Tabitha Guadian
Staff Geologist



Kalei Jennings
Senior Managing Scientist

cc: Jacob Laird, ConocoPhillips Company

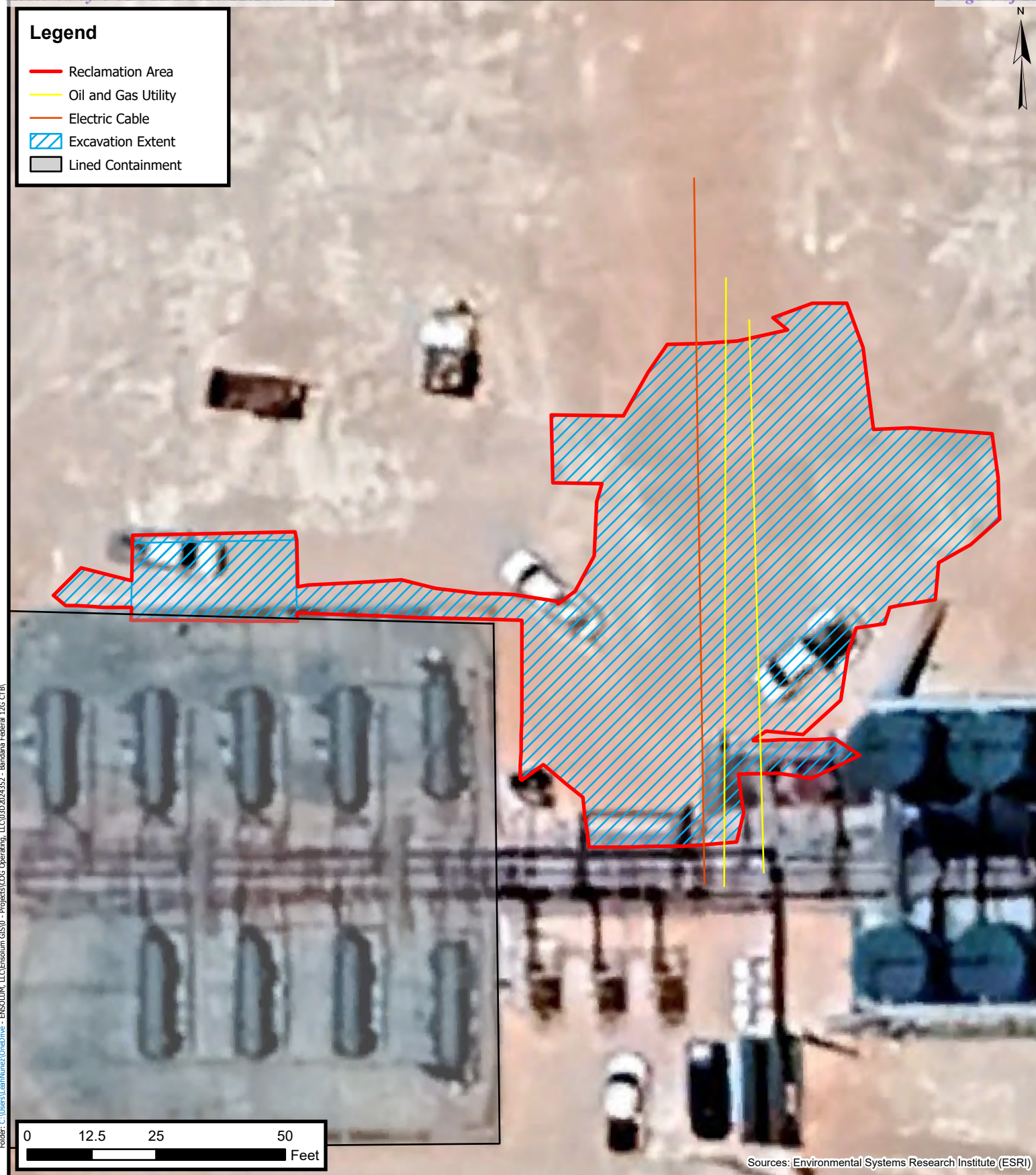
Appendices:

Figure 1	Excavation Extent / Reclamation Area
Table 1	Backfill Soil Sample Analytical Results
Appendix A	Photographic Log
Appendix B	Laboratory Analytical Report & Chain of Custody Documentation

Attachment I *Closure Request*: Dated August 18, 2025



FIGURES



Excavation Extent/Reclamation Area

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

FIGURE

1



TABLE

TABLE 1
BACKFILL 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	NE	100	600
Backfill Soil Sample										
BF01	11/3/2025	0.25	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	<50.2	228

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Photographic Log



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



Photograph: 1 Date: 11/3/2025
 Description: Post Backfill Activities
 View: Southeast



Photograph: 2 Date: 11/3/2025
 Description: Post Backfill Activities
 View: Southwest



Photograph: 3 Date: 11/3/2025
 Description: Post Backfill Activities
 View: South



Photograph: 4 Date: 11/3/2025
 Description: Post Backfill Activities
 View: Southeast



APPENDIX B

Laboratory Analytical Report & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 11/6/2025 1:07:56 PM

JOB DESCRIPTION

Bandana Federal 12G CTB
03D2024352

JOB NUMBER

890-9009-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



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

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

Laboratory Job ID: 890-9009-1
SDG: 03D2024352

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Definitions/Glossary

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

Job ID: 890-9009-1
SDG: 03D2024352

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
SQL	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: 890-9009-1

Job ID: 890-9009-1

Eurofins Carlsbad

Job Narrative 890-9009-1

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 11/3/2025 2:28 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 5.0°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BF01 (890-9009-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-122780/2-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-122939 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-122939/94).

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

HPLC/IC

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

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Client Sample Results

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

Job ID: 890-9009-1
SDG: 03D2024352

Client Sample ID: BF01

Lab Sample ID: 890-9009-1

Date Collected: 11/03/25 09:32

Matrix: Solid

Date Received: 11/03/25 14:28

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/04/25 11:43	11/04/25 18:44	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/04/25 11:43	11/04/25 18:44	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/04/25 11:43	11/04/25 18:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		11/04/25 11:43	11/04/25 18:44	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/04/25 11:43	11/04/25 18:44	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/04/25 11:43	11/04/25 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/04/25 11:43	11/04/25 18:44	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/04/25 11:43	11/04/25 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/04/25 18:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			11/06/25 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	<50.2	U	50.2	mg/Kg		11/04/25 10:22	11/06/25 04:22	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		11/04/25 10:22	11/06/25 04:22	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/04/25 10:22	11/06/25 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/04/25 10:22	11/06/25 04:22	1
o-Terphenyl	103		70 - 130	11/04/25 10:22	11/06/25 04:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		10.1	mg/Kg			11/06/25 07:43	1

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Surrogate Summary

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

Job ID: 890-9009-1
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)
880-64498-A-1-E MS	Matrix Spike	119	124
880-64498-A-1-F MSD	Matrix Spike Duplicate	109	129
890-9009-1	BF01	118	112
LCS 880-122780/1-A	Lab Control Sample	108	128
LCSD 880-122780/2-A	Lab Control Sample Dup	105	146 S1+
MB 880-122780/5-A	Method Blank	113	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9009-1	BF01	95	103
890-9009-1 MS	BF01	89	101
890-9009-1 MSD	BF01	87	100
LCS 880-122827/2-A	Lab Control Sample	82	96
LCSD 880-122827/3-A	Lab Control Sample Dup	101	96
MB 880-122827/1-A	Method Blank	98	105
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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

Job ID: 890-9009-1
SDG: 03D2024352

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122780/5-A

Matrix: Solid

Analysis Batch: 122797

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122780

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/03/25 16:21	11/04/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/03/25 16:21	11/04/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/03/25 16:21	11/04/25 11:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	113		70 - 130	11/03/25 16:21	11/04/25 11:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/03/25 16:21	11/04/25 11:15	1

Lab Sample ID: LCS 880-122780/1-A

Matrix: Solid

Analysis Batch: 122797

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122780

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1172		mg/Kg		117	70 - 130
Toluene	0.100	0.09920		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2267		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1141		mg/Kg		114	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	128		70 - 130

Lab Sample ID: LCSD 880-122780/2-A

Matrix: Solid

Analysis Batch: 122797

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122780

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1207		mg/Kg		121	70 - 130	3	35
Toluene	0.100	0.1032		mg/Kg		103	70 - 130	4	35
Ethylbenzene	0.100	0.1169		mg/Kg		117	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2504		mg/Kg		125	70 - 130	10	35
o-Xylene	0.100	0.1260		mg/Kg		126	70 - 130	10	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	146	S1+	70 - 130

Lab Sample ID: 880-64498-A-1-E MS

Matrix: Solid

Analysis Batch: 122797

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 122780

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.08808		mg/Kg		88	70 - 130

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-9009-1
SDG: 03D2024352

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

Lab Sample ID: 880-64498-A-1-E MS
Matrix: Solid
Analysis Batch: 122797

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1068		mg/Kg		107	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	124		70 - 130						

Lab Sample ID: 880-64498-A-1-F MSD
Matrix: Solid
Analysis Batch: 122797

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122780

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	0.1037		mg/Kg		104	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09028		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2199		mg/Kg		110	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1105		mg/Kg		111	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	129		70 - 130								

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

Lab Sample ID: MB 880-122827/1-A
Matrix: Solid
Analysis Batch: 122939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122827

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/04/25 10:22	11/06/25 03:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/04/25 10:22	11/06/25 03:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/04/25 10:22	11/06/25 03:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	98		70 - 130	11/04/25 10:22	11/06/25 03:22	1		
o-Terphenyl	105		70 - 130	11/04/25 10:22	11/06/25 03:22	1		

Lab Sample ID: LCS 880-122827/2-A
Matrix: Solid
Analysis Batch: 122939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1129		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.0		mg/Kg		99	70 - 130

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-9009-1
SDG: 03D2024352

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

Lab Sample ID: LCS 880-122827/2-A

Matrix: Solid

Analysis Batch: 122939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122827

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-122827/3-A

Matrix: Solid

Analysis Batch: 122939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122827

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1142		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	954.0		mg/Kg		95	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-9009-1 MS

Matrix: Solid

Analysis Batch: 122939

Client Sample ID: BF01

Prep Type: Total/NA

Prep Batch: 122827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1000	888.3		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	854.1		mg/Kg		85	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-9009-1 MSD

Matrix: Solid

Analysis Batch: 122939

Client Sample ID: BF01

Prep Type: Total/NA

Prep Batch: 122827

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	<50.2	U	1000	874.9		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	835.4		mg/Kg		83	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	100		70 - 130

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-9009-1
SDG: 03D2024352

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-122857/1-A Matrix: Solid Analysis Batch: 122975										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	<10.0	U	10.0	mg/Kg			11/06/25 04:58	1			

Lab Sample ID: LCS 880-122857/2-A Matrix: Solid Analysis Batch: 122975										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.8		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-122857/3-A Matrix: Solid Analysis Batch: 122975										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	247.8		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-9008-A-3-B MS Matrix: Solid Analysis Batch: 122975										Client Sample ID: Matrix Spike Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	146		249	384.0		mg/Kg		96	90 - 110		

Lab Sample ID: 890-9008-A-3-C MSD Matrix: Solid Analysis Batch: 122975										Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		249	377.8		mg/Kg		93	90 - 110	2	20

QC Association Summary

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

Job ID: 890-9009-1
SDG: 03D2024352

GC VOA

Prep Batch: 122780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	5035	
MB 880-122780/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122780/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122780/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64498-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-64498-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 122797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	8021B	122780
MB 880-122780/5-A	Method Blank	Total/NA	Solid	8021B	122780
LCS 880-122780/1-A	Lab Control Sample	Total/NA	Solid	8021B	122780
LCSD 880-122780/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122780
880-64498-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	122780
880-64498-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	122780

Analysis Batch: 122960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 122827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	8015NM Prep	
MB 880-122827/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-122827/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-122827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9009-1 MS	BF01	Total/NA	Solid	8015NM Prep	
890-9009-1 MSD	BF01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 122939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	8015B NM	122827
MB 880-122827/1-A	Method Blank	Total/NA	Solid	8015B NM	122827
LCS 880-122827/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	122827
LCSD 880-122827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	122827
890-9009-1 MS	BF01	Total/NA	Solid	8015B NM	122827
890-9009-1 MSD	BF01	Total/NA	Solid	8015B NM	122827

Analysis Batch: 123185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 122857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Soluble	Solid	DI Leach	
MB 880-122857/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122857/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122857/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

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

Job ID: 890-9009-1
SDG: 03D2024352

HPLC/IC (Continued)

Leach Batch: 122857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9008-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9008-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 122975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9009-1	BF01	Soluble	Solid	300.0	122857
MB 880-122857/1-A	Method Blank	Soluble	Solid	300.0	122857
LCS 880-122857/2-A	Lab Control Sample	Soluble	Solid	300.0	122857
LCSD 880-122857/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122857
890-9008-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	122857
890-9008-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	122857

Lab Chronicle

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

Job ID: 890-9009-1
SDG: 03D2024352

Client Sample ID: BF01
Date Collected: 11/03/25 09:32
Date Received: 11/03/25 14:28

Lab Sample ID: 890-9009-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	122780	11/04/25 11:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122960	11/04/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			123185	11/06/25 04:22	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	122827	11/04/25 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122939	11/06/25 04:22	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	122857	11/04/25 11:30	SMC	EET MID
Soluble	Analysis	300.0		1			122975	11/06/25 07:43	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: 890-9009-1
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: 890-9009-1
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: 890-9009-1
SDG: 03D2024352

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9009-1	BF01	Solid	11/03/25 09:32	11/03/25 14:28	0.25

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

Chain of Custody

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



890-9009 Chain of Custody



Environment Testing
Xenco

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	601 North Marien Feld, Suite 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com; jmccauley@ensolum.com

Project Name:		Bandana Federal 12G CTB		Turn Around		ANALYSIS RE					
Project Number:		03D2024352		☒ Routine ☐ Rush							
Project Location:		32.1458449, -103.422573		Due Date:							
Sampler's Name:		Jarad McCauley		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:	7/1/24 907				
Cooler Custody Seals:				Yes	No	Correction Factor:	10.2				
Sample Custody Seals:				Yes	No	Temperature Reading:	5.2				
Total Containers:						Corrected Temperature:	5.0				

[illegible]

Total	200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb
Circle Method(s) and Metal(s) to be analyzed			TCLP / SPLP 6010: 8RCRA																
			Sb As Ba Be Cd Cr Co Cu Pb Mn Mo																

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. The maximum amount of liability shall be limited to the amount of the fee for the sample analyzed. The fee for the sample analyzed shall be €95.00, but not be enforced unless previously negotiated. The fee for the sample analyzed shall be €95.00, but not be enforced unless previously negotiated. The fee for the sample analyzed shall be €95.00, but not be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)
1			11/03/25 14:28 ²	
3				
4				

2 UCUC NOV UCUC/5C/BU .etcU positiveC

Eurofins Carlsbad

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab P.M.	Carrier Tracking No(s):	COC No:
Client Contact:	N/A	Phone:	Kramer, Jessica	N/A	890-6045.1
Shipping/Receiving	N/A	E-Mail:	Jessica.Kramer@eurofnus.com	State of Origin: New Mexico	Page: 1 of 1
Company:		Accreditations Required (See note): NELAP - Texas		Job #:	890-9009-1
Eurofins Environment Testing South Centir				Preservation Codes:	
Address: 1211 W. Florida Ave.		Due Date Requested:	Analysis Requested		
City: Midland		TAT Requested (days):			
State, Zip: TX, 79701		PO #:			
Phone: 432-704-5440(Te)		WO #:			
Email: N/A		Project #:			
Project Name: Bandana Federal 12G CTB		SSOW#:			
Site: N/A		Matrix (Weigher, Sieved, Overstated, B-T-Tissue, A-M)			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code:
BF01 (890-9009-1)	11/3/25	09:32	G	Solid	
Field Filtered Sample (Yes or No)					
Perform MS/MSD (Yes or No)					
8015MOD_NM/8015NM_S_Prep(MOD) Full TPH					
8015MOD_Calc					
300_ORGFM_28D/DI_LEACHChloride					
8021B/5035FP_Calc(MOD) BTEX					
Total_BTEX_GCV					
Total Number of containers					
Special Instructions/Note:					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (Specify)					
Primary Deliverable Rank: 2					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by:					
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact: ☐ Yes ☐ No					
Custody Seal No.:					

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9009-1

SDG Number: 03D2024352

Login Number: 9009

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: 890-9009-1

SDG Number: 03D2024352

Login Number: 9009

List Number: 2

Creator: Lee, Randall

List Source: Eurofins Midland

List Creation: 11/04/25 07:53 AM

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



Attachment I

Closure Request: Dated August 18, 2025



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 CHARACTERIZATION AND CLOSURE CRITERIA

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

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

COG Operating, LLC
Closure Request
Bandana Federal 12G CTB



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

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

Tabitha Guadian
Staff Geologist

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

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

cc: 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



FIGURES

Legend

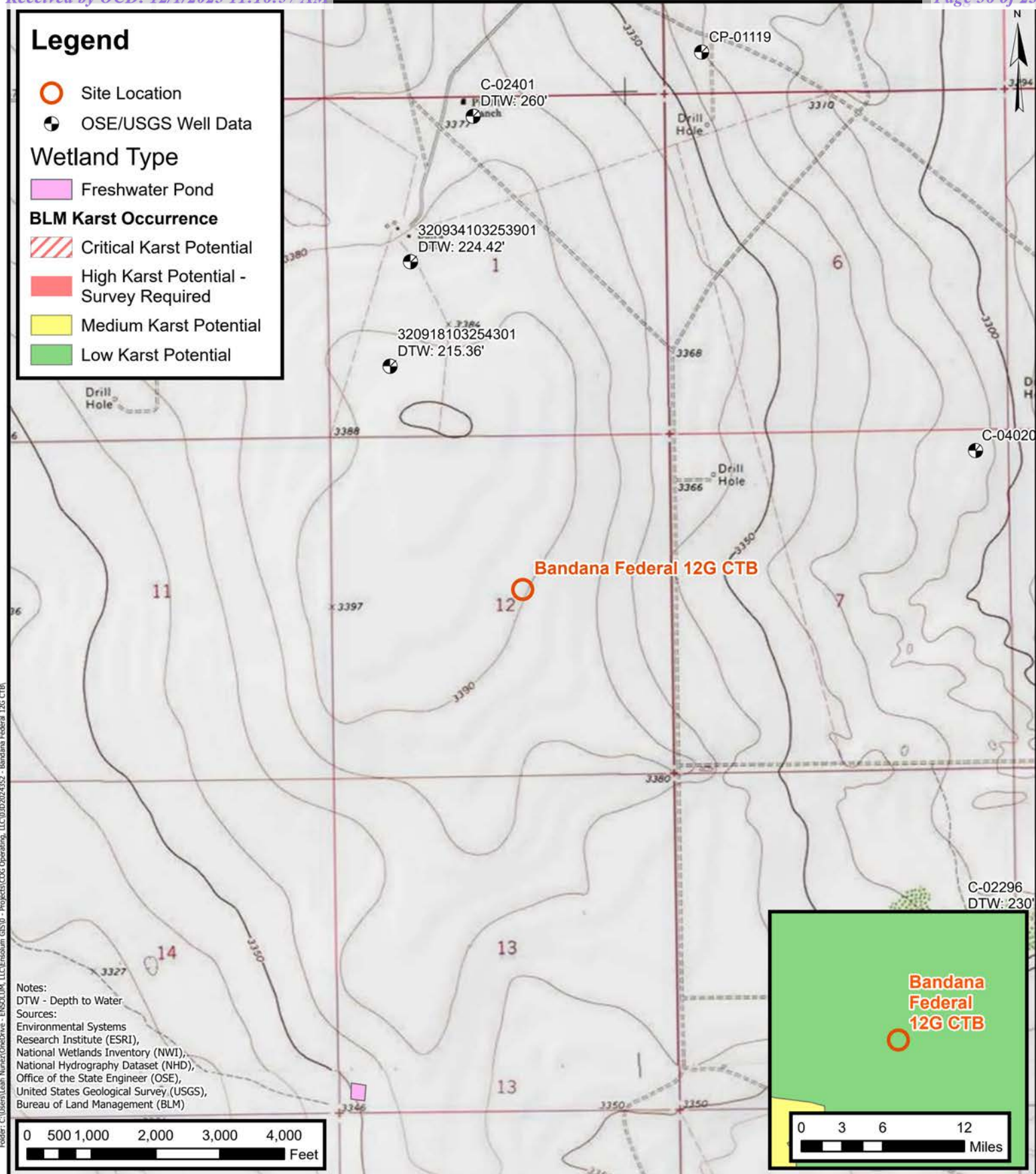
- Site Location
- OSE/USGS Well Data

Wetland Type

- Freshwater Pond

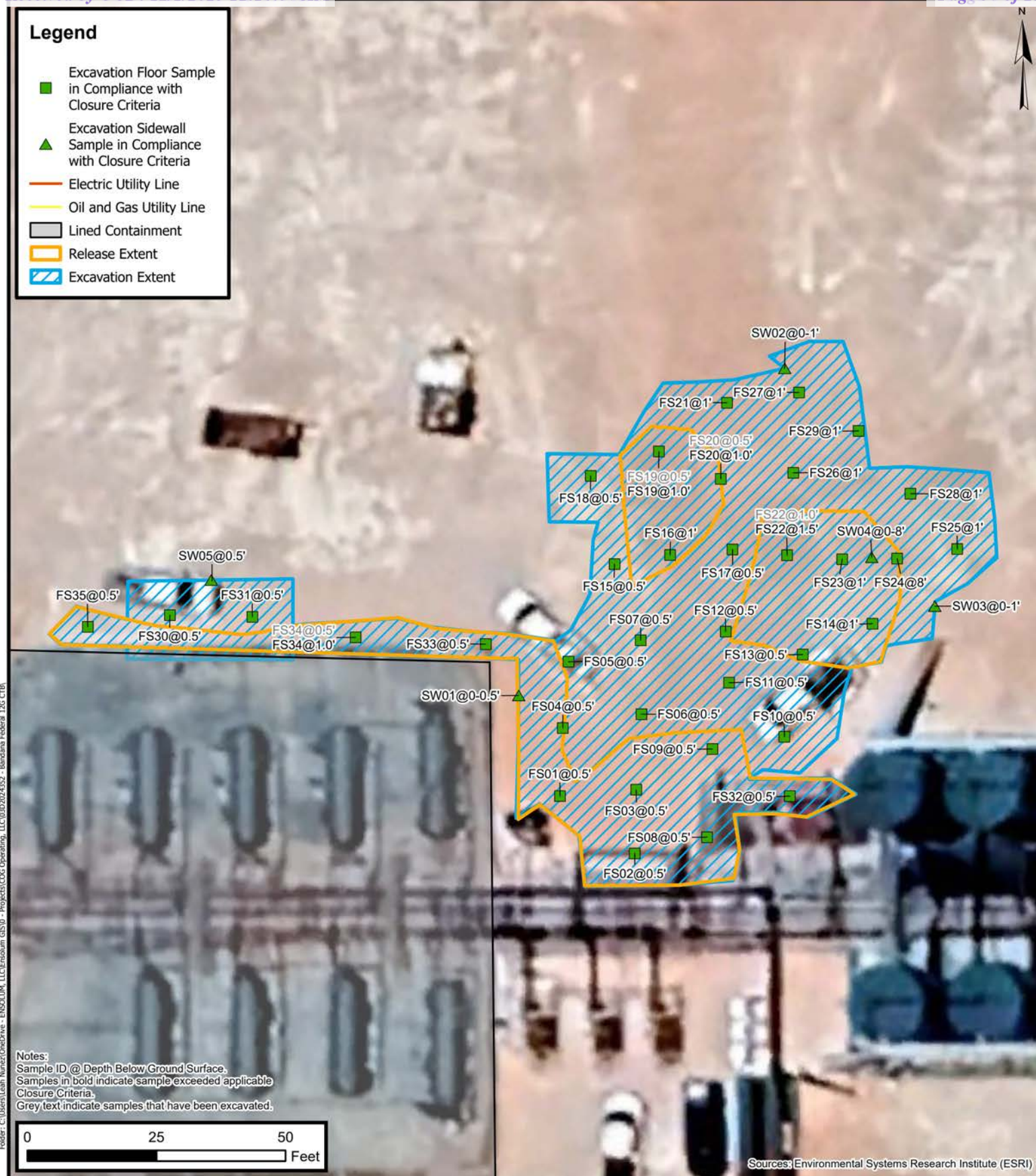
BLM Karst Occurrence

- Critical Karst Potential
- High Karst Potential - Survey Required
- Medium Karst Potential
- Low Karst Potential

**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**



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





TABLE



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



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
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



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



APPENDIX A

Referenced Well Records

USGS 320918103254301 25S.34E.01.143

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

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

Page 12 of 92

U.S. 820984103253901 25S.34E.01.13424

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



APPENDIX B

Photographic Log



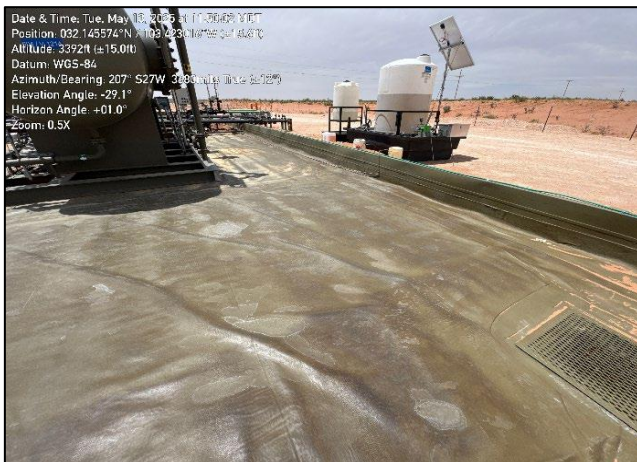
Photographic Log
COG Operating, LLC
Bandana Federal 12G CTB
Lea County, New Mexico



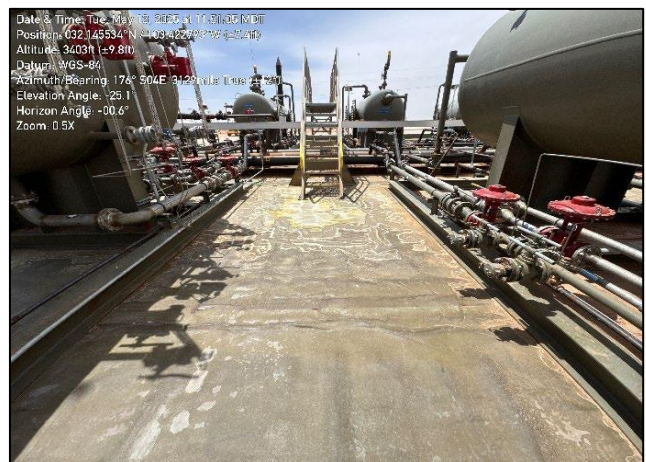
Photograph: 1
Description: Liner Inspection
View: Southwest



Photograph: 2
Description: Liner Inspection
View: Southeast



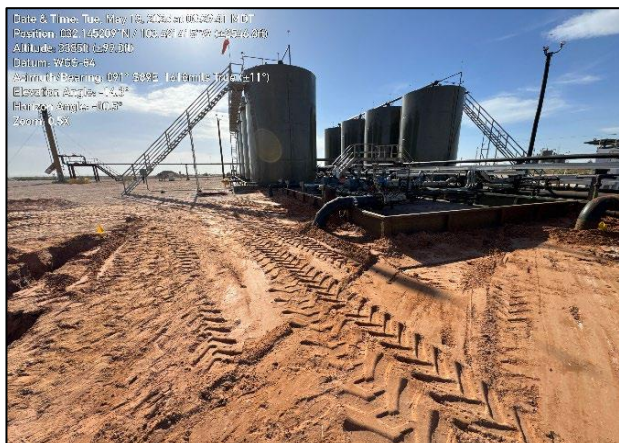
Photograph: 3
Description: Liner Inspection
View: Southwest



Photograph: 4
Description: Liner Inspection
View: Southeast



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



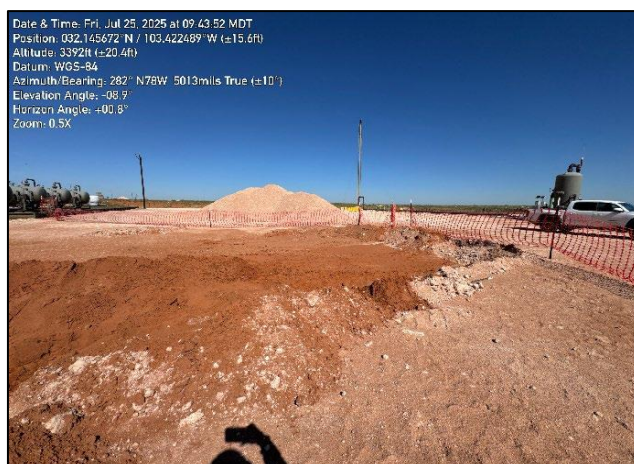
Photograph: 1
Description: Site Assessment
View: Southeast
Date: 8/13/2025



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



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



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



APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 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

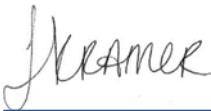
Eurofins Midland

Job Notes

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

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

Authorization



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

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

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

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

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Definitions/Glossary

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

Job ID: 880-58102-1
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.

Eurofins Midland

Case Narrative

Client: Ensolum
Project: Bandana Federal 12G CTB

Job ID: 880-58102-1

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.

Eurofins Midland

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

Date Collected: 05/13/25 09:02

Matrix: Solid

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

Date Collected: 05/13/25 09:04

Matrix: Solid

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

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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

Date Collected: 05/13/25 09:04

Matrix: Solid

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

Date Collected: 05/13/25 09:06

Matrix: Solid

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

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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

Date Collected: 05/13/25 09:06

Matrix: Solid

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

Date Collected: 05/13/25 10:50

Matrix: Solid

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

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Client Sample Results

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
Sample Depth: 0.5'

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

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

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

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	

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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

Date Collected: 05/13/25 09:08

Matrix: Solid

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

Date Collected: 05/13/25 09:10

Matrix: Solid

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

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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

Date Collected: 05/13/25 09:12

Matrix: Solid

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

Date Collected: 05/13/25 09:14

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 05/13/25 09:14

Matrix: Solid

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

Date Collected: 05/13/25 10:52

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 05/13/25 10:52

Matrix: Solid

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

Date Collected: 05/13/25 10:54

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 05/13/25 10:54

Matrix: Solid

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

Date Collected: 05/13/25 10:56

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 05/13/25 10:56

Matrix: Solid

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

Date Collected: 05/13/25 11:00

Matrix: Solid

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

Eurofins Midland

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

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(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				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-58102-1	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				

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Surrogate Summary

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)

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Eurofins Midland

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%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

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	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

Matrix: Solid

Analysis Batch: 110186

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Eurofins Midland

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

Matrix: Solid

Analysis Batch: 110186

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110186

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Eurofins Midland

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

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Method Blank

Prep Type: Total/NA

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

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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

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: LCSD 880-110104/3-A

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110104

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		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		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	123		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 880-58102-9 MS

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 110104

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	MS Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: 880-58102-9 MSD

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 110104

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		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	MSD	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	95		70 - 130								

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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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	108		70 - 130				05/15/25 13:24	05/19/25 10:20	1
<i>o</i> -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	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier			Limits	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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
<i>o</i> -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	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD
	Added	Result	Qualifier			Limits	Limits	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1104		mg/Kg		110	70 - 130	1
Diesel Range Organics (Over C10-C28)	1000	985.8		mg/Kg		99	70 - 130	0

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
<i>o</i> -Terphenyl	75		70 - 130

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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

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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		ma/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

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

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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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

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		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

Lab Sample ID: 880-58102-5

Date Collected: 05/13/25 09:08

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		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

Lab Sample ID: 880-58102-6

Date Collected: 05/13/25 09:10

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			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
Date Collected: 05/13/25 09:12
Date Received: 05/13/25 15:26

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

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
Date Collected: 05/13/25 09:14
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-8
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		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
Date Collected: 05/13/25 10:52
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-9
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		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
Date Collected: 05/13/25 10:54
Date Received: 05/13/25 15:26

Lab Sample ID: 880-58102-10
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		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

Eurofins Midland

Lab Chronicle

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

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

Client Sample ID: SS11
Date Collected: 05/13/25 10:54
Date Received: 05/13/25 15:26

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

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
Date Collected: 05/13/25 10:56
Date Received: 05/13/25 15:26

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

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
Date Collected: 05/13/25 11:00
Date Received: 05/13/25 15:26

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

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
Project/Site: Bandana Federal 12G CTB

Job ID: 880-58102-1
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	06-30-25
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'

Chain of Custody

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



Environment Testing
Xenco



880-58102 Chain of Custody

of

2

WORK ORDER COMMENTS

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐

Reporting: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager: Hadlie Green

Company Name: Gnsolm, LLC

Address: 601 N. Maricopa St Ste 400

City, State ZIP: Midland, TX 79701

Phone: 432-557-8895

Bill to: (if different)

Company Name:

Address:

City, State ZIP:

Email: ngreen@ensohm.com

ANALYSIS REQUEST		Preservative Codes	
Sample ID	Parameters	Pres. Code	Preservative Codes
SS01	As, Ba, Be, B, Bi, Br, Cd, Ca, Co, Cr, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, SiO ₂ , Na, Sr, Ti, Sn, U, V, Zn		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
SS02			
SS03			
SS04			
SS05			
SS06			
SS07			
SS08			
SS09			
SS10			
SS11			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

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

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
 Xenco

Work Order No: _____

www.xenco.com

Page 2 of 2

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolium LLC	Company Name:	
Address:	601 N McCartenfeld St Ste 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-657-8895	Email:	hgreen@ensolium.com

SAMPLE RECEIPT				ANALYSIS REQUEST				Preservative Codes			
Project Name:	Bandana Federal 126 CTB	Turn Around		Project Name:		Pres. Code		None: NO	DI Water: H ₂ O		
Project Number:	03D7024352	☒ Routine ☐ Rush		Project Number:				Cool: Cool	MeOH: Me		
Project Location:	Lea County	Due Date:		Project Location:				HCL: HC	HNO ₃ : HN		
Sampler's Name:	Tabitwa Guadian	TAT starts the day received by the lab, if received by 4:30pm		Sampler's Name:				H ₂ SO ₄ : H ₂	NaOH: Na		
P.O. #:	03D7024352			P.O. #:				H ₃ PO ₄ : HP			
Samples Received Intact:	Yes No	Wet Ice:	Yes No	Samples Received Intact:				NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes No N/A	Thermometer ID:		Cooler Custody Seals:				Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes No N/A	Correction Factor:		Sample Custody Seals:				Zn Acetate+NaOH: Zn			
Total Containers:		Temperature Reading:		Total Containers:				NaOH+Ascorbic Acid: SACP			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont					
SS12	S	5/13/25	1056	0.25'	G	1					
SS15	S	5/13/25	1100	0.25'	G	1					
NFE											
5/13/25											
B7C x 8021											
x TPH 8015											
x Chlorides 308											
ZNS											

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/13/25 1500	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 Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 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

Eurofins Carlsbad

Job Notes

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

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

Authorization



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

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

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

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

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Definitions/Glossary

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

Job ID: 890-8437-1
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), FS09 (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.

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project: BANDANA FEDERAL 12G CTB

Job ID: 890-8437-1

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.

Eurofins Carlsbad

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

Date Collected: 07/09/25 09:09

Matrix: Solid

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

Date Collected: 07/09/25 09:10

Matrix: Solid

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

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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

Date Collected: 07/09/25 09:10

Matrix: Solid

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

Date Collected: 07/09/25 09:11

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS03
Date Collected: 07/09/25 09:11
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	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
Date Collected: 07/09/25 09:12
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		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	

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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

Date Collected: 07/09/25 09:12

Matrix: Solid

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

Date Collected: 07/09/25 09:13

Matrix: Solid

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

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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

Date Collected: 07/09/25 09:14

Matrix: Solid

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

Date Collected: 07/09/25 09:15

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS07
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

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

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

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	

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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

Date Collected: 07/09/25 09:15

Matrix: Solid

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

Date Collected: 07/09/25 09:53

Matrix: Solid

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

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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

Date Collected: 07/09/25 09:53

Matrix: Solid

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

Date Collected: 07/09/25 09:56

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS11
Date Collected: 07/09/25 09:59
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Lab Sample ID: 890-8437-11
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	-	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
Date Collected: 07/09/25 10:03
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199	mg/Kg	-	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	

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Client Sample Results

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

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

Client Sample ID: FS12
Date Collected: 07/09/25 10:03
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

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
Date Collected: 07/09/25 10:46
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

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	

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Client Sample Results

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

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

Client Sample ID: FS13
Date Collected: 07/09/25 10:46
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	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
Date Collected: 07/09/25 10:49
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		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	

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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

Date Collected: 07/09/25 10:49

Matrix: Solid

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

Date Collected: 07/09/25 10:53

Matrix: Solid

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	

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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

Date Collected: 07/09/25 10:05

Matrix: Solid

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

Date Collected: 07/09/25 10:56

Matrix: Solid

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

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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

Date Collected: 07/09/25 10:56

Matrix: Solid

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

Date Collected: 07/09/25 10:57

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS18
Date Collected: 07/09/25 10:57
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	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
Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

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	

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Client Sample Results

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

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

Client Sample ID: FS19
Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38
Sample Depth: 0.5

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

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

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199	mg/Kg		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

Date Collected: 07/09/25 11:35

Matrix: Solid

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

Date Collected: 07/09/25 11:36

Matrix: Solid

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

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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

Date Collected: 07/09/25 11:36

Matrix: Solid

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

Date Collected: 07/09/25 12:06

Matrix: Solid

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

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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

Date Collected: 07/09/25 12:06

Matrix: Solid

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

Date Collected: 07/09/25 09:25

Matrix: Solid

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

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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

Date Collected: 07/09/25 09:25

Matrix: Solid

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

Date Collected: 07/09/25 11:38

Matrix: Solid

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

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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

Date Collected: 07/09/25 11:39

Matrix: Solid

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

Date Collected: 07/09/25 11:41

Matrix: Solid

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

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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

Date Collected: 07/09/25 11:41

Matrix: Solid

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

Date Collected: 07/09/25 12:44

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS28
Date Collected: 07/09/25 12:44
Date Received: 07/10/25 12:38
Sample Depth: 1

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	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
Date Collected: 07/09/25 13:22
Date Received: 07/10/25 12:38
Sample Depth: 1

Lab Sample ID: 890-8437-29
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	-	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	

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Client Sample Results

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

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

Client Sample ID: FS29
Date Collected: 07/09/25 13:22
Date Received: 07/10/25 12:38
Sample Depth: 1

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

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
Date Collected: 07/09/25 12:50
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Lab Sample ID: 890-8437-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		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

Date Collected: 07/09/25 12:53

Matrix: Solid

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

Date Collected: 07/09/25 12:45

Matrix: Solid

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

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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

Date Collected: 07/09/25 12:45

Matrix: Solid

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

Date Collected: 07/09/25 12:47

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: FS33
Date Collected: 07/09/25 12:47
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Lab Sample ID: 890-8437-33
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	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
Date Collected: 07/09/25 12:48
Date Received: 07/10/25 12:38
Sample Depth: 0.5

Lab Sample ID: 890-8437-34
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U *	0.00200	mg/Kg		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	

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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

Date Collected: 07/09/25 12:48

Matrix: Solid

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

Date Collected: 07/09/25 13:25

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: SW01
Date Collected: 07/09/25 09:52
Date Received: 07/10/25 12:38
Sample Depth: 0-0.5

Lab Sample ID: 890-8437-36
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U *-	0.00200	mg/Kg	-	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
Date Collected: 07/09/25 10:50
Date Received: 07/10/25 12:38
Sample Depth: 0-1

Lab Sample ID: 890-8437-37
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg	-	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	

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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

Date Collected: 07/09/25 10:50

Matrix: Solid

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

Date Collected: 07/09/25 10:51

Matrix: Solid

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

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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

Date Collected: 07/09/25 10:51

Matrix: Solid

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

Date Collected: 07/09/25 09:29

Matrix: Solid

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

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Client Sample Results

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

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

Client Sample ID: SW04
Date Collected: 07/09/25 09:29
Date Received: 07/10/25 12:38
Sample Depth: 0-8

Lab Sample ID: 890-8437-39
Matrix: Solid

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	DFBZ1				
		(70-130)	(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				

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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

		Percent Surrogate Recovery (Acceptance Limits)	
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
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)
880-60318-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

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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	Limit
Benzene	0.100	0.1000		mg/Kg		100	70 - 130	3	35

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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

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		RPD	Limit
							Limits	RPD		
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		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8437-1 MS

Matrix: Solid

Analysis Batch: 113948

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 113952

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
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		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-8437-1 MSD

Matrix: Solid

Analysis Batch: 113948

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 113952

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
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		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-113953/5-A

Matrix: Solid

Analysis Batch: 113946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113953

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
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

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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

Matrix: Solid

Analysis Batch: 113946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113953

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
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	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
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

Matrix: Solid

Analysis Batch: 113946

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113953

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				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		
			</								

Lab Sample ID: LCSD 880-113953/2-A

Matrix: Solid

Analysis Batch: 113946

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113953

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: 890-8437-21 MS

Matrix: Solid

Analysis Batch: 113946

Client Sample ID: FS21

Prep Type: Total/NA

Prep Batch: 113953

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
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

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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

	MS	MS	
Surrogate	%Recovery	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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB						
Surrogate	%Recovery	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

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

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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

	LCS	LCS	
Surrogate	%Recovery	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		RPD	Limit
							Limits			
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

	LCSD	LCSD	
Surrogate	%Recovery	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	

	MS	MS	
Surrogate	%Recovery	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		RPD	Limit
									Limits			
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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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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	RPD				
						Limits	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

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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

	MS	MS	
Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: FS11

Prep Type: Total/NA

Prep Batch: 113942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: FS11

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 114090

Client Sample ID: Method Blank

Prep Type: Total/NA

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

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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

	MB	MB								
Surrogate	%Recovery	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

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%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		

	LCS	LCS									
Surrogate	%Recovery	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

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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	

	LCSD	LCSD										
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	94		70 - 130								

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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

Matrix: Solid

Analysis Batch: 114090

Client Sample ID: FS31

Prep Type: Total/NA

Prep Batch: 113943

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	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
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: MB 880-114112/1-A

Matrix: Solid

Analysis Batch: 114226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114112

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Matrix: Solid

Analysis Batch: 114226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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
	113		70 - 130
1-Chlorooctane			
o-Terphenyl	125		70 - 130

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

Analyte	Spike Added	LCSO Result	LCSO Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		
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

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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

	LCSD	LCSD	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	%Recovery	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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	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	%Recovery	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

	MB	MB								
Analyte	Result	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

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	244.0		mg/Kg		98	90 - 110			

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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

Matrix: Solid

Analysis Batch: 113990

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	241.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8437-21 MS

Matrix: Solid

Analysis Batch: 113990

Client Sample ID: FS21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.4	F1	251	396.7	F1	mg/Kg		124	90 - 110		

Lab Sample ID: 890-8437-21 MSD

Matrix: Solid

Analysis Batch: 113990

Client Sample ID: FS21

Prep Type: Soluble

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

Matrix: Solid

Analysis Batch: 113990

Client Sample ID: FS31

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	211	F1	253	518.5	F1	mg/Kg		122	90 - 110		

Lab Sample ID: 890-8437-31 MSD

Matrix: Solid

Analysis Batch: 113990

Client Sample ID: FS31

Prep Type: Soluble

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

Matrix: Solid

Analysis Batch: 113992

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 12:05	1

Lab Sample ID: LCS 880-113927/2-A

Matrix: Solid

Analysis Batch: 113992

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.5		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-113927/3-A

Matrix: Solid

Analysis Batch: 113992

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	228.3		mg/Kg		91	90 - 110	1	20

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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

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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	

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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

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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	

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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	

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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

Date Collected: 07/09/25 09:09

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Date Collected: 07/09/25 09:10

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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

Date Collected: 07/09/25 09:11

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Date Collected: 07/09/25 09:12

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS04

Date Collected: 07/09/25 09:12

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Date Collected: 07/09/25 09:13

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Date Collected: 07/09/25 09:14

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Date Collected: 07/09/25 09:15

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS07

Date Collected: 07/09/25 09:15

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 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

Date Collected: 07/09/25 09:15

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Date Collected: 07/09/25 09:53

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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

Date Collected: 07/09/25 09:56

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Eurofins Carlsbad

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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS17
Date Collected: 07/09/25 10:56
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 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
Date Collected: 07/09/25 10:57
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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
Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	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
Date Collected: 07/09/25 11:32
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS21

Date Collected: 07/09/25 11:35

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Date Collected: 07/09/25 11:36

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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

Date Collected: 07/09/25 12:06

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Date Collected: 07/09/25 09:25

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS24

Date Collected: 07/09/25 09:25

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Date Collected: 07/09/25 11:38

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Date Collected: 07/09/25 11:39

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Date Collected: 07/09/25 11:41

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS27
Date Collected: 07/09/25 11:41
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 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
Date Collected: 07/09/25 12:44
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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
Date Collected: 07/09/25 13:22
Date Received: 07/10/25 12:38

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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
Date Collected: 07/09/25 12:50
Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: FS31

Date Collected: 07/09/25 12:53

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Date Collected: 07/09/25 12:45

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Date Collected: 07/09/25 12:47

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	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

Date Collected: 07/09/25 12:48

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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

Eurofins Carlsbad

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

Eurofins Carlsbad

Lab Chronicle

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

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

Client Sample ID: SW02

Date Collected: 07/09/25 10:50

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	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

Date Collected: 07/09/25 10:51

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Date Collected: 07/09/25 09:29

Date Received: 07/10/25 12:38

Lab Sample ID: 890-8437-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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



Environment Testing
Xenco

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

Chain of Custody

1 of 4



890-8437 Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadi Green	Bill to: (if different)	
Company Name:	Ensolium	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-551-8945	Email:	hgreene@ensolium.com, shrook@ensolium.com

Project Name:	Bandana Federal 126 DMS	Turn Around	
Project Number:	0372024352	☒ Routine ☐ Rush	Pres. Code
Project Location:	Lea County	Due Date:	
Sampler's Name:	Shirley Brooks/Elizbeth Alvarado	START starts the day received by the lab. If received by 4:30pm	
PO #:			

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST													
FS01	Soil	7/19/25	09:09	0.5'	C	1	X	BTEX 8021												
FS02			09:10	0.5'			X	TPH 8015												
FS03			09:11	0.5'			X	Chloride 300												
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			09:54	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 SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Shirley Brooks	Wade	12:58 7/25			



Environment Testing
Xenco

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-2443, 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

Chain of Custody

Project Manager: Heddie 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: 437-551-9895		Email: hgreen@ensolum.com, sharon@ensolum.com	
Project Name: Paradise Federal 126 CRB Turn Around Project Number: 03D2011352 ☒ Routine ☐ Rush Pres. Code			
Project Location: U-2 County		Due Date:	
Sampler's Name: Shirley Brooks + Elizabeth Adams		starts the day received by the lab if received by 4:30pm	
PO #:			
SAMPLE RECEIPT Samples Received Intact: Yes No Temp Blank: Yes No Wet Loc: Yes No Cooler Custody Seals: Yes No N/A Thermometer ID: Sample Custody Seals: Yes No N/A Correction Factor: Total Containers: Corrected Temperature:			
Parameters			
BTEX 8021 TPH 8015 Chloride 300			
ANALYSIS REQUEST			
Program: ☒ UST/PST ☐ PRE ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:			
Preservative Codes		None: NO Cool: Cool MeOH: Me HCl: HCl HNO ₃ : HN H ₂ SO ₄ : H ₂ H ₂ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₈ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sample Comments			
Sample Identification	Matrix	Date Sampled	Time Sampled
ES11	Soil	3/12/25	09:54
ES12			10:03
ES13			10:06
ES14			10:09
ES15			10:53
ES16			10:55
ES17			10:56
ES18			10:57
ES19			11:32
ES20			11:32
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471			
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)
Shirley Brooks	Elizabeth Adams	12:28 7/8	
3			
5			



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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager: Katie 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: 432-551-8895 Email: kygreen@ensolum.com, shroes@ensolum.com

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

Project Name: Badana Federal vs Garburn Around
Project Number: 03D024352
Project Location: Legs County
Sample Name: Small Roadside Erosion Area
PO #: _____
Date Received: _____
Date of Project: _____
Date of Report: _____
Date of Analysis: _____

ANALYSIS REQUEST
Preservative Codes
None: NO DI Water: H₂O
Cool: Cool MeOH: Me
HCL: HCl HNO₃: HN
H₂SO₄: H₂ NaOH: Na
H₂O₂: H₂O₂
NaHSO₄: NaHS
Na₂S₂O₃: Na₂S₂O₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: S-APC

SAMPLE RECEIPT
Samples Received Inact: Yes No
Cooler Custody Seals: Yes No N/A
Sample Custody Seals: Yes No N/A
Total Containers: _____
Corrected Temperature: _____

Parameters
Pres. Code
BTEX 8021
TPH 8015
Chloride 300

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grb/ # of Comp Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
ES21	Soil	11/30/15	11:35	1'	C 1	X BTEX 8021				
ES22		11:36	11:36	1'		X TPH 8015				
ES23		12:04	12:04	1'		X Chloride 300				
ES24		09:25	09:25	1'						
ES25		11:38	11:38	1'						
ES26		11:39	11:39	1'						
ES27		11:41	11:41	1'						
ES28		12:04	12:04	1'						
ES29		13:22	13:22	1'						
ES30		12:50	12:50	0.5'						

Total 200.7 / 5010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 12:28 1/16 Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time _____

3 of 4



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) 595-3443, 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:	432-553-8895	Email:	hgreener@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 1761 CTB Turn Around	Pres. Code	
Project Number:	03D024352	☒ Routine ☐ Rush	
Project Location:	Lee County	Due Date:	
Sampler's Name:	Stacy Reynolds + Elizabeth Amador	TAT starts the day received by the lab if received by 4:30pm	
PO #:			
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Well Ice: ☒ Yes ☒ No	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	
Total Containers:	Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time	Depth	Grab/ Comp	# of Cont																	Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
FS31	Soil	11/19/25	12:53	0.5'	C	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)
1 <i>Stacy Reynolds</i>	1 <i>Elizabeth Amador</i>	12:38 11/19/25	
3			
5			

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8437-1

SDG Number: 03D2024352

Login Number: 8437

List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

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	



Environment Testing

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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

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
7/29/2025 3:09:38 PM
Revision 1

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

Laboratory Job ID: 880-60803-1
SDG: Lea County

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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: 880-60803-1Eurofins 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.

Eurofins Midland

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

Date Collected: 07/25/25 09:42

Matrix: Solid

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

Date Collected: 07/25/25 09:44

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 07/25/25 09:44

Matrix: Solid

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

Date Collected: 07/25/25 09:46

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 07/25/25 09:46

Matrix: Solid

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

Date Collected: 07/25/25 09:48

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 07/25/25 09:48

Matrix: Solid

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

Date Collected: 07/25/25 08:50

Matrix: Solid

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

	LCSD	LCSD	
Surrogate	%Recovery	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	MB	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	%Recovery	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	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					

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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					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 115093									
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					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 115093									
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					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 115093									
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

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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	

Eurofins Midland

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**Lab Sample ID: 880-60803-1****Date Collected: 07/25/25 09:42****Matrix: Solid****Date Received: 07/25/25 14:00**

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**Lab Sample ID: 880-60803-2****Date Collected: 07/25/25 09:44****Matrix: Solid****Date Received: 07/25/25 14:00**

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**Lab Sample ID: 880-60803-3****Date Collected: 07/25/25 09:46****Matrix: Solid****Date Received: 07/25/25 14:00**

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**Lab Sample ID: 880-60803-4****Date Collected: 07/25/25 09:48****Matrix: Solid****Date Received: 07/25/25 14:00**

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

Eurofins Midland

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

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Chain of Custody

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

Environment Testing

Xenco



eurofins



880-60803 Chain of Custody

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

Project Name:		P Project Number:		Project Location:		Sampler's Name:		PO #:	
Bandana Federal 126		03D2024352		Lea County		Tabitha Guadian		03D2024352	
P Project Number:		P Project Number:		Project Location:		Sampler's Name:		PO #:	
03D2024352		03D2024352		Lea County		Tabitha Guadian		03D2024352	

SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Samples Received Intact:		Yes No		Yes No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Cooler Custody Seals:		Yes No		Yes No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Sample Custody Seals:		Yes No		Yes No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Total Containers:		Yes No		Yes No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
8.7		8.6		8.7		8.6		8.7		8.6		8.7	

Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
FS19		S		7/25/25		0942		1'		C		1	
FS20		S		7/25/25		0944		1'		C		1	
FS22		S		7/25/25		0946		1.5'		C		1	
FS34		S		7/25/25		0948		1'		C		1	
SW05		S		7/25/25		0950		0-0.5'		C		1	

Sample Comments		Preservative Codes	
None		None: NO	
Cool: Cool		Cool: Cool	
HCL: HC		HCL: HC	
H ₂ SO ₄ : H ₂		H ₂ SO ₄ : H ₂	
H ₃ PO ₄ : HP		H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS		NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NaSO ₃		Na ₂ S ₂ O ₃ : NaSO ₃	
Zn Acetate+NaOH: Zn		Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC		NaOH+Ascorbic Acid: SAPC	

ANALYSIS REQUEST		Preservative Codes	
None		None: NO	
Cool: Cool		Cool: Cool	
HCL: HC		HCL: HC	
H ₂ SO ₄ : H ₂		H ₂ SO ₄ : H ₂	
H ₃ PO ₄ : HP		H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS		NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NaSO ₃		Na ₂ S ₂ O ₃ : NaSO ₃	
Zn Acetate+NaOH: Zn		Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC		NaOH+Ascorbic Acid: SAPC	

Work Order Comments		Program:		Brownfields		RRC		Superfund	
None		None		None		None		None	
UST/PST		UST/PST		Brownfields		RRC		Superfund	
State of Project:		State of Project:		Brownfields		RRC		Superfund	
Reporting: Level II		Reporting: Level II		Brownfields		RRC		Superfund	
Deliverables: EDD		Deliverables: EDD		Brownfields		RRC		Superfund	
ADAPT		ADAPT		Brownfields		RRC		Superfund	
Other:		Other:		Brownfields		RRC		Superfund	

Total		2007 / 6010		2008 / 6020:		8RCRA		13PPM		Texas 11		Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb	
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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	



Environment Testing

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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

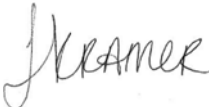
Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/7/2025 11:38:23 AM

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

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

Laboratory Job ID: 880-61110-1
SDG: lea County

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Definitions/Glossary

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

Job ID: 880-61110-1
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
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.

Eurofins Midland

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

		Percent Surrogate Recovery (Acceptance Limits)	
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
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)
880-61110-1	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
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum

Job ID: 880-61110-1

Project/Site: Bandana Federal 12G CTB

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

Eurofins Midland

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

Eurofins Midland

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					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 115981									
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					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 115981									
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
Project/Site: Bandana Federal 12G CTB

Job ID: 880-61110-1
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: 880-61110-1
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

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

Chain of Custody

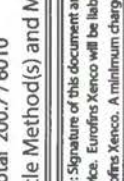
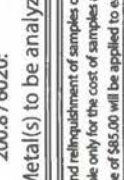
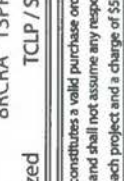
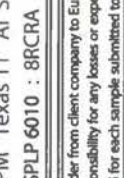
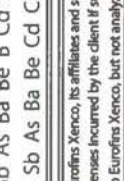
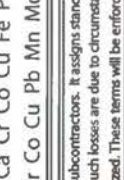
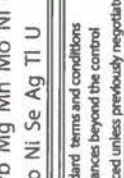
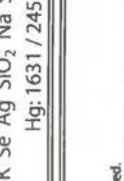
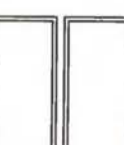
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Xenco



880-61110 Chain of Custody

Project Manager: Hadley Green Company Name: Ensolum, LLC Address: 601 N. Main St. Ste 400 Highland, TX 79701 City, State ZIP: 432557-8895 Phone:		Bill to: (if different) Hadley Green Company Name: Address: City, State ZIP:		Work Order Comments Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: ☐ EDD ☐ ADAPT ☐ Other:	
Project Name: Bandana Federal 126 CTB P Project Number: 03D2024352 Project Location: Lea County Sampler's Name: Tabitha Guadian PO #: 03D2024352		Turn Around ☒ Routine ☐ Rush Due Date: TAT starts the day received by the lab, if received by 4:30pm		ANALYSIS REQUEST Pres. Code:	
SAMPLE RECEIPT Samples Received Intact: Yes ☒ No ☐ Cooler Custody Seals: Yes ☒ No ☐ Sample Custody Seals: Yes ☒ No ☐ Total Containers: 1.5		Parameters Temp Blank: Yes ☒ No ☐ Thermometer ID: TNS Correction Factor: 1.0 Temperature Reading: 1.5 Corrected Temperature: 1.5		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sample Identification SWDS		Date Sampled 8/5/25		Time Sampled 0930	
Matrix S		Depth 0-0.5		Grab/Comp C	
Sample Comments NFE		Relinquished by: (Signature) 		Received by: (Signature) 	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	
Relinquished by: (Signature) 		Date/Time 8/5/25 1328		Date/Time 8/5/25 1328	

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	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 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, Page 2

Action 499290

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

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/08/2025
--	--

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 499290

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	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 499290

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

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/26/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

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QUESTIONS, Page 5

Action 499290

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

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 499290

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

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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	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
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/26/2025

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QUESTIONS, Page 7

Action 499290

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

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

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)

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

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QUESTIONS

Action 530740

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512834713
Incident Name	NAPP2512834713 BANDANA 12G CTB @ FAPP2417645381
Incident Type	Release Other
Incident Status	Reclamation 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, Page 2

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/01/2025
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QUESTIONS, Page 3

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/01/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/01/2025
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QUESTIONS, Page 7

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	6300
What was the total volume of replacement material (in cubic yards) for this site	235
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	03/03/2026
Summarize any additional reclamation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/01/2025

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QUESTIONS, Page 8

Action 530740

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 530740

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 530740
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2512834713 Bandana 12G CTB, thank you. This Reclamation Report is approved.	12/26/2025