E N S O L U M

August 21, 2024

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 Eider Federal 35 Incident Number: NAPP2418343772 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 and remediation activities performed at the Eider Federal 35 (Site). The purpose of the Site assessment and remediation activities was to address impacted soil following a condensate leak at the Site. Based on remediation activities described below, COG is submitting this *Closure Request*, requesting no further action and closure for Incident Number NAPP2418343772.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 35, Township 24 South, Range 32 East, in Lea County, New Mexico (32.16790°, -103.64670°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On June 6, 2024, a hole on a poly line routing to a flare caused a release of approximately 0.2469 barrels (bbls) of condensate off pad. The well head was immediately isolated and repaired to prevent further release. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a *Release Notification Form C-141* (Form C-141) on July 1, 2024. The release was assigned Incident Number NAPP2418343772.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the 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 is the USGS well 321005103402301, located approximately 7,958 feet west of the Site. The groundwater well has a reported depth to groundwater of 290 feet bgs and a total depth of 367 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records and Closure Criteria Variance Correspondence are included in Appendix A.

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ENSOLUM

The closest continuously flowing or significant watercourse to the Site is a stream bed, located approximately 24,559 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between June 26, 2024, and July 30, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Six assessment soil samples (SS01 through SS06) were collected within and around the extent at a depth of approximately 0.5 feet bgs to assess for the presence or absence of impacts soil resulting from the condensate release. The assessment soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Midland, Texas, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for soil sample SS02 indicated the concentration of TPH-GRO/TPH-DRO and TPH exceeded the closure criteria and reclamation requirement. In addition, the concentration of TPH exceeded the reclamation requirement. All lateral soil samples were incompliance with the Closure Criteria and reclamation requirement, properly defining the lateral extent of the release. As a result of delineation activities, excavation appeared warranted to address impacted and waste-containing soil associated with the release.

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EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On July 30, 2024, Ensolum personnel were at the Site to oversee excavation activities based on laboratory analytical results for assessment soil samples. Excavation activities were performed utilizing a hydrovac. To direct excavation activities, soil was field screened for VOCs and chloride. The excavations were completed to depths of 1.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, two 5-point composite soil samples were collected from the excavation: one floor confirmations soil sample (FS01) and one sidewall confirmation soil (SW01). The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. FS01 was collected at a depth of 1.5 feet bgs and SW01 was collected at a depth range of ground surface (0 feet) to 1.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above.

Laboratory analytical results for excavation soil samples FS01 and SW01 indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. The excavation extent and excavation soil sample locations are presented on Figure 3. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix C.

The final excavation measured approximately 35 square feet in areal extent and approximately 1.3 cubic yards of impacted and waste-containing soil was transported to Lea Land Landfill in Hobbs, New Mexico. The excavation will be backfilled with material purchased locally and recontoured to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

CLOSURE REQUEST

Site assessment and remediation activities were conducted at the Site to address the June 2024 condensate release. Laboratory analytical results for the excavation activities indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement, where applicable. Based on the soil sample analytical results, no further remediation is required.

Initial response efforts, excavation of impacted soil, and remediation activities have mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. COG believes these remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2418343772 Notifications submitted to the NMOCD are included in Appendix D.



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

Sincerely,

Ensolum, **LLC**

a.MI

David A. McInnis Project Geologist

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

cc: Jacob Laird, COG Operating, LLC

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Assessment Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1
 Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation





Figures

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Tables

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Eider Federal 35 ConocoPhillips Company 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	1,000	2,500	20,000	
	Preliminary Assessment Soil Samples										
SS01	6/24/2024	0.5	<0.00202	0.164	<49.8	124	229	124	353	251	
SS02	6/24/2024	0.5	<0.0504	28.6	461	1,120	2,030	1,581	3,610	68.2	
SS03	6/24/2024	0.5	<0.00202	0.00706	<49.8	<49.8	<49.8	<49.8	<49.8	489	
SS04	6/24/2024	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	117	
SS05	6/24/2024	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	74.0	
SS06	6/24/2024	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	103	
				Exc	avation Soil Sam	ples					
FS01	7/30/2024	1.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	55.5	
SW01	7/30/2024	0 - 1.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	23.0	

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Grey text represents samples that have been excavated

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



APPENDIX A

Referenced Well Records



National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	New Mexico	~	GO

Click to hideNews Bulletins

• Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321005103402301 24S.32E.33.42241

Lea County, New Mexico

Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83 Land-surface elevation 3,499.00 feet above NGVD29 The depth of the well is 367 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Chinle Formation (231CHNL) local aquifer.

• 321005103402301

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 measur
1959-02-18		D	62610		3185.60	NGVD29	1	Z	2	
1959-02-18		D	62611		3187.32	NAVD88	1	Z	-	
1959-02-18		D	72019	313.40			1	Z	2	
1981-06-12		D	62610		3194.60	NGVD29	1	Z		
1981-06-12		D	62611		3196.32	NAVD88	1	Z	2	
1981-06-12		D	72019	304.40			1	Z	,	
1986-03-11		D	62610		3193.79	NGVD29	1	Z	<u>.</u>	
1986-03-11		D	62611		3195.51	NAVD88	1	Z	-	
1986-03-11		D	72019	305.21			1	Z	2	
1991-05-29		D	62610		3211.55	NGVD29	1	Z	-	
1991-05-29		D	62611		3213.27	NAVD88	1	Z	2	
1991-05-29		D	72019	287.45			1	Z	<u>,</u>	
1996-03-14		D	62610		3213.60	NGVD29	1	9	5	
1996-03-14		D	62611		3215.32	NAVD88	1	9	5	
1996-03-14		D	72019	285.40			1	S	5	

eiyed by OCD: 8/22	date- time accuracy	? 1 PM Parameter code	level, feet below land surface	level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Pa Measuring agency	? ge 13 of 93 Source measur
2001-02-27	D	62610		3210.32	NGVD29	1	S		
2001-02-27	D	62611		3212.04	NAVD88	1	S		
2001-02-27	D	72019	288.68			1	S		
2013-01-17 16:30 UTC	C m	62610		3209.31	NGVD29	1	S	USGS	
2013-01-17 16:30 UTC	C m	62611		3211.03	NAVD88	1	S	USGS	
2013-01-17 16:30 UTC	C m	72019	289.69			1	S	USGS	

Explanation

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

Questions or Comments <u>Help</u> Data Tips Explanation of terms

Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2024-06-20 13:50:27 EDT 0.29 0.26 nadww02



APPENDIX B

Photographic Log





APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 7/9/2024 11:00:36 AM Revision 1

JOB DESCRIPTION

ELDER FEDERAL 35 03C2024281

JOB NUMBER

890-6848-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

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

AMER

Generated 7/9/2024 11:00:36 AM Revision 1

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Job ID: 890-6848-1
SDG: 03C2024281

Qualifiers

Qualifiers		3
GC VOA Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VC	Α	5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		8
Qualifier	Qualifier Description	
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.	9
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	13
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	

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

Job ID: 890-6848-1

Client: Ensolum Project: ELDER FEDERAL 35

Job ID: 890-6848-1

Eurofins Carlsbad

Job Narrative 890-6848-1

REVISION

The report being provided is a revision of the original report sent on 7/1/2024. The report (revision 1) is being revised due to Per client email, requesting chloride 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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 6/26/2024 8:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 03 (890-6848-1), SS 04 (890-6848-2), SS 05 (890-6848-3) and SS 06 (890-6848-4).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84376 and analytical batch 880-84437 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS 04 (890-6848-2), SS 05 (890-6848-3), SS 06 (890-6848-4), (880-45332-A-67-D MS) and (880-45332-A-67-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84376 and analytical batch 880-84437 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84369 and analytical batch 880-84458 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84369 and analytical batch 880-84458 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 and precision for preparation batch 880-85090 and analytical batch 880-85128 were outside control limits. Sample matrix interference and/or non-homogeneity

Eurofins Carlsbad

Project: ELDER FEDERAL 35

Client: Ensolum

Job ID: 890-6848-1

Eurofins Carlsbad

Job ID: 890-6848-1 (Continued)

are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was 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: ELDER FEDERAL 35

Client Sample ID: SS 03 Date Collected: 06/24/24 14:00 Date Received: 06/26/24 08:46 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
Toluene	0.00205		0.00202	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
n-Xylene & p-Xylene	0.00501		0.00404	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
Xylenes, Total	0.00501		0.00404	mg/Kg		06/27/24 08:22	06/27/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			06/27/24 08:22	06/27/24 18:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/27/24 08:22	06/27/24 18:40	1
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00706		0.00404	mg/Kg			06/27/24 18:40	1
Method: SW846 8015 NM - Die	sel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			06/28/24 16:04	1
Method: SW846 8015B NM - Di	esel Range	Organics	(DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/27/24 14:29	06/28/24 16:04	1
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		06/27/24 14:29	06/28/24 16:04	1
C10-C28)		0				00/21/211120	00,20,2110001	
Dil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/27/24 14:29	06/28/24 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			06/27/24 14:29	06/28/24 16:04	1
p-Terphenyl	88		70 - 130			06/27/24 14:29	06/28/24 16:04	1
Method: EPA 300.0 - Anions, Io	on Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		5.02	mg/Kg			07/08/24 15:08	1
lient Sample ID: SS 04						Lab Samp	le ID: 890-6	848-2
							Matrix	: Solid
ate Collected: 06/24/24 14:35 ate Received: 06/26/24 08:46 ample Depth: 0.5'								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/27/24 08:22	06/27/24 19:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			06/27/24 08:22	06/27/24 19:00	1

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Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID: 890-6848-1 Matrix: Solid

Released to Imaging: 9/16/2024 3:56:21 PM

Project/Site: ELDER FEDERAL 35

Client Sample ID: SS 04

Client Sample Results

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Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID: 890-6848-2 Matrix: Solid

Client: Ensolum

Method: SW846 8021B - Vola	tile Organic	Compoun	ds (GC) (Contin	ued)				
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	87	Quanner	70 - 130				06/27/24 19:00	Dirta
Method: TAL SOP Total BTE	X - Total BTE	X Calculat	tion					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			06/27/24 19:00	
Method: SW846 8015 NM - D	iesel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/28/24 16:25	1
Method: SW846 8015B NM -	Diesel Range	• Organics	; (DRO) (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/27/24 14:29	06/28/24 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/27/24 14:29	06/28/24 16:25	1
Dil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/27/24 14:29	06/28/24 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1-	70 - 130			06/27/24 14:29	06/28/24 16:25	
o-Terphenyl	23	S1-	70 - 130			06/27/24 14:29	06/28/24 16:25	1
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.03	mg/Kg			06/29/24 09:05	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/27/24 08:22	06/27/24 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/27/24 08:22	06/27/24 19:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/27/24 08:22	06/27/24 19:21	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			06/27/24 19:21	1
Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		U	50.0				06/28/24 16:46	

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Client Sample Results

Client Sample ID: SS 05 Date Collected: 06/24/24 14:40 Date Received: 06/26/24 08:46

Sample Depth: 0.5'

Method: SW846 8015B NM - D		-		11 14	-	Duonerred	A mal	
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/27/24 14:29	06/28/24 16:46	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/27/24 14:29	06/28/24 16:46	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/27/24 14:29	06/28/24 16:46	
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	29	S1-	70 - 130			06/27/24 14:29	06/28/24 16:46	
o-Terphenyl	24	S1-	70 - 130			06/27/24 14:29	06/28/24 16:46	
Method: EPA 300.0 - Anions, I			Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	74.0		5.01	mg/Kg			06/29/24 09:10	
Client Sample ID: SS 06 Date Collected: 06/24/24 14:45 Date Received: 06/26/24 08:46 Gample Depth: 0.5'						Lab Samp	le ID: 890-6 Matrix	
Method: SW846 8021B - Volati	ile Organic	Compoun	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 19:41	
Toluene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 19:41	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 19:41	
m-Xylene & p-Xylene	< 0.00403	U	0.00403	mg/Kg		06/27/24 08:22	06/27/24 19:41	
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/27/24 08:22	06/27/24 19:41	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/27/24 08:22	06/27/24 19:41	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130				06/27/24 19:41	
1,4-Difluorobenzene (Surr)	93		70 - 130			06/27/24 08:22	06/27/24 19:41	
Method: TAL SOP Total BTEX			ion					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/27/24 19:41	
Method: SW846 8015 NM - Die	sel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			06/28/24 17:07	
Method: SW846 8015B NM - D	iesel Range	• Organics	; (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/27/24 14:29	06/28/24 17:07	
Diesel Range Organics (Over	<49.9	U	49.9	ma/Ka		06/27/24 14:29	06/28/24 17:07	

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Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID: 890-6848-3 Matrix: Solid

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	Cl	ient Sample F	Results					
Client: Ensolum Project/Site: ELDER FEDERAL 35						Job ID: 890- SDG: 03C2		2
Client Sample ID: SS 06 Date Collected: 06/24/24 14:45					Lab Samı	ole ID: 890-6 Matrix	5848-4 c: Solid	
Date Received: 06/26/24 08:46 Sample Depth: 0.5'								4
Method: EPA 300.0 - Anions, Ion			11-24	_	D	A so a b so a d	D'I 5	5
Analyte Chloride	Result Quali	fier RL 4.97	Unit mg/Kg	D	Prepared	Analyzed 06/29/24 09:15	Dil Fac	
								8
								9
								13

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Surrogate Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

			Pe
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45309-A-12-D MS	Matrix Spike	100	92
880-45309-A-12-E MSD	Matrix Spike Duplicate	98	94
890-6848-1	SS 03	109	94
890-6848-2	SS 04	101	87
890-6848-3	SS 05	110	95
890-6848-4	SS 06	109	93
LCS 880-84303/1-A	Lab Control Sample	99	91
LCSD 880-84303/2-A	Lab Control Sample Dup	99	92
MB 880-84303/5-A	Method Blank	100	84

Surrogate Legend

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

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

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-45332-A-67-D MS Matrix Spike 65 S1-61 S1-880-45332-A-67-E MSD Matrix Spike Duplicate 62 S1-56 S1-890-6848-1 SS 03 85 88 890-6848-2 SS 04 30 S1-23 S1-SS 05 890-6848-3 29 S1-24 S1-890-6848-4 SS 06 40 S1-38 S1-LCS 880-84376/2-A 97 97 Lab Control Sample LCSD 880-84376/3-A Lab Control Sample Dup 113 115 MB 880-84376/1-A 136 S1+ Method Blank 149 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Job ID: 890-6848-1 SDG: 03C2024281

Prep Type: Total/NA

Prep Type: Total/NA

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84303/5-A Matrix: Solid Analysis Batch: 84306 MB MB nolut

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/27/24 08:22	06/27/24 11:33	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			06/27/24 08:22	06/27/24 11:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130			06/27/24 08:22	06/27/24 11:33	1

Lab Sample ID: LCS 880-84303/1-A **Matrix: Solid** Analysis Batch: 84306

· ····· , ··· · ···· · ····	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08529		mg/Kg		85	70 - 130	
Toluene	0.100	0.08347		mg/Kg		83	70 - 130	
Ethylbenzene	0.100	0.08427		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130	
o-Xylene	0.100	0.09044		mg/Kg		90	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-84303/2-A **Matrix: Solid**

Analysis Batch: 84306

Analysis Batch: 84306								atch:	84303
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08970		mg/Kg		90	70 - 130	5	35
Toluene	0.100	0.08729		mg/Kg		87	70 - 130	4	35
Ethylbenzene	0.100	0.08859		mg/Kg		89	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130	5	35
o-Xylene	0.100	0.09465		mg/Kg		95	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-45309-A-12-D MS Matrix: Solid

Prep Type: Total/NA Analysis Batch: 84306 Prep Batch: 84303 Sample Sample Spike MS MS %Rec Analyte **Result Qualifier** Added **Result Qualifier** Unit %Rec Limits D mg/Kg Benzene <0.00199 U 0.100 0.07915 79 70 - 130 Toluene <0.00199 U 0.100 0.07754 mg/Kg 77 70 - 130

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Client Sample ID: Matrix Spike

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 84303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client: Ensolum Project/Site: ELDER FEDERAL 35

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

Matrix: Solid Analysis Batch: 84306	9-A-12-D MS						C	ient Sa			tal/NA
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	< 0.00199	U	0.100	0.07915		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1688		mg/Kg		84	70 - 130		
o-Xylene	<0.00199	U	0.100	0.08544		mg/Kg		85	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
	100		70 - 130								
4-Bromofluorobenzene (Surr)	100										
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid	92	D	70 - 130			Client S	Samp	le ID: N	latrix Spil Prep Ty Prep E		tal/N/
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306	92 9-A-12-E MS Sample	Sample	70 - 130 Spike		MSD				Prep Ty Prep E %Rec	pe: Tot Batch: 8	tal/N/ 8430 RPI
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306	92 9-A-12-E MS Sample		70 - 130		MSD Qualifier	Client S	Samp D	le ID: N	Prep Ty Prep E	pe: Tot	tal/N/ 8430 RPI
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid	92 9-A-12-E MS Sample	Sample Qualifier	70 - 130 Spike						Prep Ty Prep E %Rec	pe: Tot Batch: 8	tal/N/ 8430 RPI Limi
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte	92 9-A-12-E MS Sample Result	Sample Qualifier U	70 - 130 Spike	Result		Unit		%Rec	Prep Ty Prep E %Rec Limits	pe: Tot Batch: 8	tal/N/ 84303 RPI Limi 3
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene	92 9-A-12-E MS Sample Result <0.00199	Sample Qualifier U	70 - 130 Spike Added 0.0994	Result 0.1037		Unit mg/Kg		% Rec	Prep Ty Prep E %Rec Limits 70 - 130	pe: Tot Batch: 8 RPD 27	tal/N/ 84303 RPI Limi 33
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene Toluene	92 9-A-12-E MS Sample Result <0.00199 <0.00199	Sample Qualifier U U U	70 - 130 Spike Added 0.0994 0.0994	Result 0.1037 0.09748		<mark>Unit</mark> mg/Kg mg/Kg		%Rec 104 98	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130	pe: Tot Batch: 8 RPD 27 23	tal/N/ 84303 RPI Limi 33 34 34 34
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene Toluene Ethylbenzene	92 9-A-12-E MS Sample Result <0.00199 <0.00199 <0.00199	Sample Qualifier U U U U	70 - 130 Spike Added 0.0994 0.0994 0.0994	Result 0.1037 0.09748 0.09582		Unit mg/Kg mg/Kg mg/Kg		%Rec 104 98 96	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130	RPD 27 23 19	tal/N/ 84303 RPI Limi 33 33 33 33
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	92 9-A-12-E MS Sample Result <0.00199 <0.00199 <0.00199 <0.00398	Sample Qualifier U U U U U U	70 - 130 Spike Added 0.0994 0.0994 0.0994 0.199	Result 0.1037 0.09748 0.09582 0.2046		Unit mg/Kg mg/Kg mg/Kg		%Rec 104 98 96 103	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 27 23 19	tal/N/ 84303 RPI Limi 33 33 33 33 33
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	92 9-A-12-E MS Sample Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199	Sample Qualifier U U U U U U U MSD	70 - 130 Spike Added 0.0994 0.0994 0.0994 0.199	Result 0.1037 0.09748 0.09582 0.2046		Unit mg/Kg mg/Kg mg/Kg		%Rec 104 98 96 103	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 27 23 19	tal/N/
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-4530 Matrix: Solid Analysis Batch: 84306 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	92 9-A-12-E MS Sample Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00199 <i>MSD</i>	Sample Qualifier U U U U U U U MSD	70 - 130 70 - 130 Spike Added 0.0994 0.0994 0.0994 0.199 0.0994	Result 0.1037 0.09748 0.09582 0.2046		Unit mg/Kg mg/Kg mg/Kg		%Rec 104 98 96 103	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 27 23 19	tal/N/ 84303 RPI Limi 33 33 33 33 33

_____ Lab Sample ID: MB 880-84376/1-A

Matrix: Solid Analysis Batch: 84437

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
	МВ	МВ						

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	149	S1+	70 - 130

Lab Sample ID: LCS 880-84376/2-A Matrix: Solid Analysis Batch: 84437

Analysis Batch: 84437							Prep E	atch: 84376
-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	992.9		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	985.8		mg/Kg		99	70 - 130	
C10-C28)								

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Client Sample ID: Method Blank

Analyzed

Prep Type: Total/NA

Prepared

06/27/24 14:28 06/28/24 08:41

06/27/24 14:28 06/28/24 08:41

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84376

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Job ID: 890-6848-1 SDG: 03C2024281

Client: Ensolum Project/Site: ELDER FEDERAL 35

Matrix: Solid

Lab Sample ID: LCS 880-84376/2-A

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

Job ID: 890-6848-1

SDG: 03C2024281

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Batch: 84376 Analysis Batch: 84437 LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 97 70 - 130 o-Terphenyl 97 70 - 130 **Client Sample ID: Lab Control Sample Dup** Lab Sample ID: LCSD 880-84376/3-A Matrix: Solid **Prep Type: Total/NA** Analysis Batch: 84437 Prep Batch: 84376 LCSD LCSD %Rec RPD Spike Analyte Added **Result Qualifier** Unit D %Rec Limits RPD Limit **Gasoline Range Organics** 1000 1011 mg/Kg 101 70 - 130 2 20 (GRO)-C6-C10 **Diesel Range Organics (Over** 1000 986.1 mg/Kg 99 70 - 130 0 20 C10-C28) LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 113 70 - 130 70 - 130 o-Terphenyl 115 Lab Sample ID: 880-45332-A-67-D MS **Client Sample ID: Matrix Spike** Matrix: Solid **Prep Type: Total/NA** Analysis Batch: 84437 Prep Batch: 84376 Sample Sample Spike MS MS %Rec **Result Qualifier** Added **Result Qualifier** Limits Analyte Unit D %Rec <50.0 UF1 362.1 F1 Gasoline Range Organics 999 mg/Kg 36 70 - 130 (GRO)-C6-C10 999 **Diesel Range Organics (Over** 58.1 F1 401.2 F1 mg/Kg 34 70 - 130 C10-C28) MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 65 \$1-70 - 130 o-Terphenyl 61 S1-70 - 130 Lab Sample ID: 880-45332-A-67-E MSD Client Sample ID: Matrix Spike Duplicate Matrix: Solid Prep Type: Total/NA Analysis Batch: 84437 Prep Batch: 84376 Sample Sample Spike MSD MSD %Rec RPD Result Qualifier RPD Added **Result Qualifier** Limits Limit Analyte Unit D %Rec <50.0 U F1 999 339.7 F1 34 70 - 130 6 20 **Gasoline Range Organics** mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 58.1 F1 999 375.2 F1 mg/Kg 32 70 - 130 7 20 C10-C28) MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	62	S1-	70 - 130
o-Terphenyl	56	S1-	70 - 130

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Job ID: 890-6848-1 SDG: 03C2024281

Client: Ensolum Project/Site: ELDER FEDERAL 35

Method: 300.0 - Anions, Ion Chromatography

Matrix: Solid	4369/1-A						Clie	ent Sam	ple ID: M Prep Ty		
Analysis Batch: 84458											
		MB MB									
Analyte		sult Qualifier		RL	Unit		<u>P</u>	repared	Analyz		Dil Fac
Chloride	<	5.00 U		5.00	mg/K	g			06/29/24	06:59	1
Lab Sample ID: LCS 880- Matrix: Solid	84369/2-A					Clie	nt Sai	mple ID	: Lab Cor Prep Ty		
Analysis Batch: 84458											
Analis			Spike	-	LCS	11	-	0/ D	%Rec		
Analyte			Added	255.3	Qualifier	Unit	D	%Rec 102	Limits		
Chloride			250	255.3		mg/Kg		102	90 - 110		
Lab Sample ID: LCSD 880 Matrix: Solid	0-84369/3-A				C	Client Sa	mple	ID: Lat	Control S Prep Ty		
Analysis Batch: 84458			Omilia	1.000					0/ D = =		
Analyta			Spike Added	_	LCSD	Unit	~	0/ Dee	%Rec Limits	000	RPD
Analyte	- <u> </u>			257.1	Qualifier		D	%Rec		1	Limi 20
Chloride			250	237.1		mg/Kg		103	90 - 110	1	20
Lab Sample ID: 880-4528 Matrix: Solid	7-A-7-B MS						CI	lient Sa	mple ID: I Prep Ty		
Analysis Batch: 84458	Somple	Sampla	Spiko	МС	MS				%Rec		
Analyta	Sample		Spike	-	-	11					
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride Lab Sample ID: 880-4528	1210 7-A-7-C MSD)	250	1436	4	mg/Kg	Samp	91 Die ID: N	90 ₋ 110 Matrix Spil Prep Ty		
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458	7-A-7-C MSD Sample	Sample	Spike	MSD	MSD	Client	Samp	ole ID: N	Matrix Spil Prep Ty %Rec	ype: S	oluble RPC
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte	7-A-7-C MSD Sample Result		Spike Added	MSD Result	MSD Qualifier	Client S	Samp	le ID: N %Rec	Matrix Spik Prep Ty %Rec Limits	ype: S	oluble RPE Limi
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte	7-A-7-C MSD Sample	Sample	Spike	MSD	MSD Qualifier	Client		ole ID: N	Matrix Spil Prep Ty %Rec	ype: S	oluble RPC Limit
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458	7-A-7-C MSD Sample Result 1210	Sample	Spike Added	MSD Result	MSD Qualifier	Client S	<u>D</u>	Ne ID: N	Matrix Spik Prep Ty %Rec Limits	ype: S RPD 0 Matrix	oluble RPC Limit 20 Spike
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid	7-A-7-C MSD Sample Result 1210	Sample Qualifier	Spike Added	MSD Result 1441	MSD Qualifier	Client S	<u>D</u>	Ne ID: N	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I	ype: S RPD 0 Matrix	oluble RPE Limi 20 Spike
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample	Sample Qualifier	Spike Added 250	MSD Result 1441 MS	MSD Qualifier 4	Client S	<u>D</u>	Ne ID: N	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty	ype: S RPD 0 Matrix	oluble RPD Limit 20 Spike
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample	Sample Qualifier Sample Qualifier	Spike Added 250 Spike	MSD Result 1441 MS	MSD Qualifier 4 MS Qualifier	Client S Unit mg/Kg	<u>D</u> CI	%Rec 93	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec	ype: S RPD 0 Matrix	oluble RPD Limit 20 Spike
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100	Sample Qualifier Sample Qualifier F1	Spike Added 250 Spike Added	MSD Result 1441 MS Result	MSD Qualifier 4 MS Qualifier	Client S Unit mg/Kg	<u>D</u> CI	Net ID: N NRec 93 Nient Sa <u>%Rec</u> 50	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits	ype: S <u>RPD</u> 0 Matrix ype: S ke Dup	Oluble RPE Limi 20 Spike oluble
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD	Sample Qualifier Sample Qualifier F1	Spike Added 250 Spike Added 12400	MSD Result 1441 MS Result 44320	MSD Qualifier 4 MS Qualifier F1	Client S Unit mg/Kg	<u>D</u> CI	Net ID: N NRec 93 Nient Sa <u>%Rec</u> 50	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty	ype: S <u>RPD</u> 0 Matrix ype: S ke Dup	oluble RPE Limi 20 Spike oluble
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample	Sample Qualifier Sample Qualifier F1	Spike Added 250 Spike Added 12400 Spike	MSD Result 1441 MS Result 44320 MSD	MSD Qualifier 4 MS Qualifier F1	Client S Unit mg/Kg	<u>D</u> CI	Net ID: N NRec 93 Net Sa NRec 50 Net ID: N	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec	RPD 0 Matrix ype: S we Dup ype: S	oluble RPC Limin 20 Spike oluble
Chloride Lab Sample ID: 880-45283 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Chloride Lab Sample ID: 880-45304 Matrix: Solid Analyte Analysis Batch: 84458 Analyte	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample Result	Sample Qualifier Sample Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 12400 Spike Added	MSD Result 1441 MS Result 44320 MSD Result	MSD Qualifier 4 MS Qualifier F1 MSD Qualifier	Client S Unit mg/Kg Unit Client S	<u>D</u> CI	Nec 93 Nent Sa Ne ID: N %Rec %Rec	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec Limits	RPD 0 Matrix ype: S ke Dup ype: S 	oluble RPE Limin 20 Spike oluble oluble RPE Limin
Chloride Lab Sample ID: 880-45283 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Chloride Lab Sample ID: 880-45304 Matrix: Solid Analyte Analysis Batch: 84458 Analyte	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample	Sample Qualifier Sample Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 12400 Spike	MSD Result 1441 MS Result 44320 MSD	MSD Qualifier 4 MS Qualifier F1 MSD Qualifier	Client S Unit mg/Kg Unit mg/Kg Client S	D CI D Samp	Net ID: N NRec 93 Net Sa NRec 50 Net ID: N	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec	RPD 0 Matrix ype: S we Dup ype: S	oluble RPD Limit 20 Spike oluble oluble RPD Limit
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: MB 880-8 Matrix: Solid	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample Result 38100	Sample Qualifier Sample Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 12400 Spike Added	MSD Result 1441 MS Result 44320 MSD Result	MSD Qualifier 4 MS Qualifier F1 MSD Qualifier	Client S Unit mg/Kg Unit Client S	<u>D</u> CI <u>D</u> Samp <u>D</u>	%Rec 93 lient Sa %Rec 50 le ID: N %Rec 51	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec Limits	ype: S <u>RPD</u> 0 Matrix ype: S <u>ke Dup</u> ype: S <u>RPD</u> 0 ethod	oluble RPE Limi 20 Spike oluble oluble RPE Limi 20 Blank
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample Result 38100	Sample Qualifier F1 Sample Qualifier F1	Spike Added 250 Spike Added 12400 Spike Added	MSD Result 1441 MS Result 44320 MSD Result	MSD Qualifier 4 MS Qualifier F1 MSD Qualifier	Client S Unit mg/Kg Unit Client S	<u>D</u> CI <u>D</u> Samp <u>D</u>	%Rec 93 lient Sa %Rec 50 le ID: N %Rec 51	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec Limits 90 - 110	ype: S <u>RPD</u> 0 Matrix ype: S <u>ke Dup</u> ype: S <u>RPD</u> 0 ethod	oluble RPD Limit 20 Spike oluble oluble RPD Limit 20 Blank
Chloride Lab Sample ID: 880-4528 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: 880-45304 Matrix: Solid Analysis Batch: 84458 Analyte Chloride Lab Sample ID: MB 880-8 Matrix: Solid	7-A-7-C MSD Sample Result 1210 4-A-4-B MS Sample Result 38100 4-A-4-C MSD Sample Result 38100 5090/1-A	Sample Qualifier Sample Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 12400 Spike Added	MSD Result 1441 MS Result 44320 MSD Result	MSD Qualifier 4 MS Qualifier F1 MSD Qualifier	Client S Unit mg/Kg Client S Unit mg/Kg	<u>D</u> Cl <u>D</u> Samp <u>D</u> Clie	%Rec 93 lient Sa %Rec 50 le ID: N %Rec 51	Matrix Spil Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec Limits 90 - 110 Matrix Spil Prep Ty %Rec Limits 90 - 110	<pre>xpe: S xppe: S Matrix ype: S xe Dup ype: S xe Dup ype: S xe Dup ype: S xe Dup ype: S</pre>	oluble RPD Limit 20 Spike oluble oluble RPD Limit 20 Blank

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Released to Imaging: 9/16/2024 3:56:21 PM

Project/Site: ELDER FEDERAL 35

Client: Ensolum

QC Sample Results

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Job ID: 890-6848-1 SDG: 03C2024281

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS	880-85090/2-A					Clier	nt Sar	nple ID	: Lab Cor	ntrol Sa	ample
Matrix: Solid									Prep Ty	ype: So	oluble
Analysis Batch: 851	28										
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	250.9		mg/Kg		100	90 - 110		
- Lab Sample ID: LCS	D 880-85090/3-A				C	Client Sa	mple	ID: Lat		Sample	e Dup
Matrix: Solid							÷		Prep T	ype: So	Juble
Analysis Batch: 851	28										
· · · · · · · · · · · · · · · · · · ·			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	250.5		mg/Kg		100	90 - 110	0	20
Lab Sample ID: 890- Matrix: Solid Analysis Batch: 851							CI	ient Sa	mple ID: I Prep Ty	Matrix S ype: So	
		Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	18000	F1	5030	23970	F1	mg/Kg		120	90 - 110		
Lab Sample ID: 890-	-6878-A-66-E MSD)				Client S	Samp	le ID: N	latrix Spil	ke Dup	licate
Matrix: Solid										ype: So	
Analysis Batch: 851	28										
•		Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Analyte											

-6848-1 024281 2

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QC Association Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35

GC VOA

Prep Batch: 84303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-1	SS 03	Total/NA	Solid	5035	
890-6848-2	SS 04	Total/NA	Solid	5035	
890-6848-3	SS 05	Total/NA	Solid	5035	
890-6848-4	SS 06	Total/NA	Solid	5035	
MB 880-84303/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84303/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84303/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45309-A-12-D MS	Matrix Spike	Total/NA	Solid	5035	
880-45309-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 84306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-6848-1	SS 03	Total/NA	Solid	8021B	84303	
890-6848-2	SS 04	Total/NA	Solid	8021B	84303	
890-6848-3	SS 05	Total/NA	Solid	8021B	84303	
890-6848-4	SS 06	Total/NA	Solid	8021B	84303	
MB 880-84303/5-A	Method Blank	Total/NA	Solid	8021B	84303	
LCS 880-84303/1-A	Lab Control Sample	Total/NA	Solid	8021B	84303	4.0
LCSD 880-84303/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84303	13
880-45309-A-12-D MS	Matrix Spike	Total/NA	Solid	8021B	84303	
880-45309-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84303	

Analysis Batch: 84490

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6848-1	SS 03	Total/NA	Solid	Total BTEX	
890-6848-2	SS 04	Total/NA	Solid	Total BTEX	
890-6848-3	SS 05	Total/NA	Solid	Total BTEX	
890-6848-4	SS 06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 84376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-1	SS 03	Total/NA	Solid	8015NM Prep	
890-6848-2	SS 04	Total/NA	Solid	8015NM Prep	
890-6848-3	SS 05	Total/NA	Solid	8015NM Prep	
890-6848-4	SS 06	Total/NA	Solid	8015NM Prep	
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84437

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6848-1	SS 03	Total/NA	Solid	8015B NM	84376
890-6848-2	SS 04	Total/NA	Solid	8015B NM	84376
890-6848-3	SS 05	Total/NA	Solid	8015B NM	84376
890-6848-4	SS 06	Total/NA	Solid	8015B NM	84376
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015B NM	84376
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84376

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Job ID: 890-6848-1

SDG: 03C2024281

QC Association Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35

GC Semi VOA (Continued)

Analysis Batch: 84437 (Continued)

Lab Sample ID LCSD 880-84376/3-A	Client Sample ID Lab Control Sample Dup	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 84376
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015B NM	84376
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84376
Analysis Potch 9479	2				

Analysis Batch: 84782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-1	SS 03	Total/NA	Solid	8015 NM	_
890-6848-2	SS 04	Total/NA	Solid	8015 NM	
890-6848-3	SS 05	Total/NA	Solid	8015 NM	
890-6848-4	SS 06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-2	SS 04	Soluble	Solid	DI Leach	
890-6848-3	SS 05	Soluble	Solid	DI Leach	
890-6848-4	SS 06	Soluble	Solid	DI Leach	
MB 880-84369/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84369/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84369/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45287-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45287-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-45304-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45304-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 84458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-2	SS 04	Soluble	Solid	300.0	84369
890-6848-3	SS 05	Soluble	Solid	300.0	84369
890-6848-4	SS 06	Soluble	Solid	300.0	84369
MB 880-84369/1-A	Method Blank	Soluble	Solid	300.0	84369
LCS 880-84369/2-A	Lab Control Sample	Soluble	Solid	300.0	84369
LCSD 880-84369/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84369
880-45287-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	84369
880-45287-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84369
880-45304-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	84369
880-45304-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84369

Leach Batch: 85090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-1	SS 03	Soluble	Solid	DI Leach	
MB 880-85090/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85090/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85090/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6878-A-66-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6878-A-66-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
L Amelia Detala 0540					
Analysis Batch: 8512	8				

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6848-1	SS 03	Soluble	Solid	300.0	85090

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QC Association Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35

HPLC/IC (Continued)

Analysis Batch: 85128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-85090/1-A	Method Blank	Soluble	Solid	300.0	85090
LCS 880-85090/2-A	Lab Control Sample	Soluble	Solid	300.0	85090
LCSD 880-85090/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85090
890-6878-A-66-D MS	Matrix Spike	Soluble	Solid	300.0	85090
890-6878-A-66-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	85090

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Job ID: 890-6848-1 SDG: 03C2024281 Project/Site: ELDER FEDERAL 35

Client Sample ID: SS 03

Date Collected: 06/24/24 14:00

Date Received: 06/26/24 08:46

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Analysis

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Lab Chronicle

Initial

Amount

4.95 g

5 mL

10.05 g

1 uL

4.98 g

50 mL

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID: 890-6848-1

Analyst

MNR

Lab Sample ID: 890-6848-2

Lab Sample ID: 890-6848-3

Lab Sample ID: 890-6848-4

Prepared

or Analyzed

06/27/24 08:22

06/27/24 18:40 SM

06/27/24 18:40 SM

06/28/24 16:04 SM

06/27/24 14:29 EL

06/28/24 16:04 AJ

07/05/24 16:56 CH

07/08/24 15:08 CH

Batch

84303

84306

84490

84782

84376

84437

85090

85128

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Matrix: Solid

Lab

EET MID

Matrix: Solid

Matrix: Solid

Client Sample ID: SS 04 Date Collected: 06/24/24 14:35 Date Received: 06/26/24 08:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			5.01 g	5 mL	84303	06/27/24 08:22	MNR	EET MID	
Total/NA	Analysis	8021B		1	5 mL	5 mL	84306	06/27/24 19:00	SM	EET MID	
Total/NA	Analysis	Total BTEX		1			84490	06/27/24 19:00	SM	EET MID	
Total/NA	Analysis	8015 NM		1			84782	06/28/24 16:25	SM	EET MID	
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84376	06/27/24 14:29	EL	EET MID	
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 16:25	AJ	EET MID	
Soluble	Leach	DI Leach			4.97 g	50 mL	84369	06/27/24 13:54	SMC	EET MID	
Soluble	Analysis	300.0		1	50 mL	50 mL	84458	06/29/24 09:05	СН	EET MID	

Client Sample ID: SS 05 Date Collected: 06/24/24 14:40 Date Received: 06/26/24 08:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84303	06/27/24 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84306	06/27/24 19:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			84490	06/27/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			84782	06/28/24 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 16:46	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	84369	06/27/24 13:54	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84458	06/29/24 09:10	СН	EET MID

Client Sample ID: SS 06 Date Collected: 06/24/24 14:45 Date Received: 06/26/24 08:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84303	06/27/24 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84306	06/27/24 19:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			84490	06/27/24 19:41	SM	EET MID

Eurofins Carlsbad

Released to Imaging: 9/16/2024 3:56:21 PM

Matrix: Solid
Client: Ensolum Project/Site: ELDER FEDERAL 35

Client Sample ID: SS 06 Date Collected: 06/24/24 14:45 Date Received: 06/26/24 08:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			84782	06/28/24 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 17:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84369	06/27/24 13:54	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84458	06/29/24 09:15	СН	EET MID

Laboratory References:

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

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Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID: 890-6848-4

Matrix: Solid

Eurofins Carlsbad

5 9 **Accreditation/Certification Summary**

Client: Ensolum Project/Site: ELDER FEDERAL 35

Laboratory: Eurofins Midland

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

Authority	Program	า	Identification Number	Expiration Date
Texas	NELAP		T104704400	06-30-25
	es are included in this report, / does not offer certification.	but the laboratory is n	ot certified by the governing author	ity. This list may include analyte
	• •	but the laboratory is n Matrix	ot certified by the governing author Analyte	ty. This list may include analyte
for which the agency	does not offer certification.			ty. This list may include analyte

Job ID: 890-6848-1 SDG: 03C2024281

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Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35 Job ID: 890-6848-1 SDG: 03C2024281

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

Eurofins Carlsbad

Sample Summary

Client: Ensolum Project/Site: ELDER FEDERAL 35 Page 40 of 93

Job ID: 890-6848-1 SDG: 03C2024281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-6848-1	SS 03	Solid	06/24/24 14:00	06/26/24 08:46		_
890-6848-2	SS 04	Solid	06/24/24 14:35	06/26/24 08:46	0.5'	
890-6848-3	SS 05	Solid	06/24/24 14:40	06/26/24 08:46	0.5'	
390-6848-4	SS 06	Solid	06/24/24 14:45	06/26/24 08:46	0.5'	
						1
						1
						- 2



Released to Imaging: 9/16/2024 3:56:21 PM

7/9/2024 (Rev. 1)

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6848 List Number: 1 Creator: Bruns, Shannon

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	

Job Number: 890-6848-1 SDG Number: 03C2024281

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 6848 List Number: 2 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	N/A	

14

Job Number: 890-6848-1 SDG Number: 03C2024281

List Source: Eurofins Midland

List Creation: 06/27/24 07:47 AM

Received by OCD: 8/22/2024 1:24:31 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 7/12/2024 3:28:21 PM

JOB DESCRIPTION

EIDER FEDERAL 35 03C2024281

JOB NUMBER

890-6849-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

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

AMER

Generated 7/12/2024 3:28:21 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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(

	Definitions/Glossary		
Client: Ensolur		Job ID: 890-6849-1	
Project/Site: E	IDER FEDERAL 35	SDG: 03C2024281	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
*_	LCS and/or LCSD is outside acceptance limits, low biased.		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		Ę
*1	LCS/LCSD RPD exceeds control limits.		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA	Α		
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		9
S1-	Surrogate recovery exceeds control limits, low biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		¢
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control lim applicable.	lits are not	
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

Eurofins Carlsbad

.

Case Narrative

Job ID: 890-6849-1

Client: Ensolum Project: EIDER FEDERAL 35

quality control (QC) is further explained in narrative comments.

unless attributed to a dilution or otherwise noted in the narrative.

Job ID: 890-6849-1

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Job Narrative 890-6849-1

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 are applied to indicate exceptions. Noncompliant Matrix QC may not be reported if insufficient sample 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 Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/26/2024 8:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.8°C.

Receipt Exceptions

method.

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 1 (890-6849-1) and SS 2 (890-6849-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-84451 recovered above the upper control limit for Benzene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported. The associated sample is impacted: (CCV 880-84451/33).

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-84468 and analytical batch 880-84451 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

Diesel Range Organics

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

HPLC/IC

Method 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84369 and analytical batch 880-84458 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

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Job ID: 890-6849-1 SDG: 03C2024281

Lab Sample ID: 890-6849-1

Matrix: Solid

Date Collected: 06/24/24 13:20 Date Received: 06/26/24 08:38

Client Sample ID: SS 1

Project/Site: EIDER FEDERAL 35

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Xylenes, Total	0.134	-	0.00403	mg/Kg		06/27/24 08:37	06/27/24 17:53	
m-Xylene & p-Xylene	0.0918		0.00403	mg/Kg		06/27/24 08:37	06/27/24 17:53	
Benzene	< 0.00202		0.00202	mg/Kg		06/27/24 08:37	06/27/24 17:53	
o-Xylene	0.0421	*_ *1	0.00202	mg/Kg		06/27/24 08:37	06/27/24 17:53	
Toluene	0.0175		0.00202	mg/Kg		06/27/24 08:37	06/27/24 17:53	
Ethylbenzene	0.0127	-	0.00202	mg/Kg		06/27/24 08:37	06/27/24 17:53	
Total BTEX	0.165	*+ *1	0.00202	mg/Kg		06/27/24 08:37	06/27/24 17:53	
	0.100		0.00202	1119/119		00/21/21 00:01	00/21/21 11:00	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		70 - 130			06/27/24 08:37	06/27/24 17:53	
1,4-Difluorobenzene (Surr)	84		70 - 130			06/27/24 08:37	06/27/24 17:53	
Method: TAL SOP Total BTEX - 1	Total BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.164		0.00403	mg/Kg			06/27/24 17:53	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	353		49.8	mg/Kg			06/28/24 18:51	
Method: SW846 8015B NM - Die	eol Pango Orga	nice (DPO)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Oil Range Organics (Over	229		49.8	mg/Kg		06/27/24 14:29	06/28/24 18:51	
C28-C36)				5.5				
Diesel Range Organics (Over	124		49.8	mg/Kg		06/27/24 14:29	06/28/24 18:51	
C10-C28)								
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/27/24 14:29	06/28/24 18:51	
(GRO)-C6-C10		0.115				- <i>'</i>		
(GRO)-C6-C10 Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
(GRO)-C6-C10 Surrogate o-Terphenyl	% Recovery 49	S1-	70 - 130			06/27/24 14:29	06/28/24 18:51	
(GRO)-C6-C10 Surrogate o-Terphenyl	% Recovery 49							
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion	<u>%Recovery</u> 49 49 Chromatograp	S1- S1- Dhy - Solub	70 - 130 70 - 130			06/27/24 14:29 06/27/24 14:29	06/28/24 18:51 06/28/24 18:51	
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion	<u>%Recovery</u> 49 49 Chromatograp	S1- S1-	70 - 130 70 - 130 Pe RL	Unit	<u>D</u>	06/27/24 14:29	06/28/24 18:51	
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte	<u>%Recovery</u> 49 49 Chromatograp	S1- S1- Dhy - Solub	70 - 130 70 - 130	<mark>Unit</mark> mg/Kg	<u>D</u>	06/27/24 14:29 06/27/24 14:29	06/28/24 18:51 06/28/24 18:51	
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride	<u>%Recovery</u> 49 49 h Chromatograp Result	S1- S1- Dhy - Solub	70 - 130 70 - 130 Pe RL		<u>D</u>	06/27/24 14:29 06/27/24 14:29 Prepared	06/28/24 18:51 06/28/24 18:51 Analyzed	Dil Fac
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride Chloride	<u>%Recovery</u> 49 49 h Chromatograp Result	S1- S1- Dhy - Solub	70 - 130 70 - 130 Pe RL		<u>D</u>	06/27/24 14:29 06/27/24 14:29 Prepared	06/28/24 18:51 06/28/24 18:51 <u>Analyzed</u> 06/29/24 09:20 nple ID: 890-	Dil Fac
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: SS 2 ate Collected: 06/24/24 13:23	<u>%Recovery</u> 49 49 h Chromatograp Result	S1- S1- Dhy - Solub	70 - 130 70 - 130 Pe RL		<u> </u>	06/27/24 14:29 06/27/24 14:29 Prepared	06/28/24 18:51 06/28/24 18:51 <u>Analyzed</u> 06/29/24 09:20 nple ID: 890-	Dil Fac
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: SS 2 ate Collected: 06/24/24 13:23 ate Received: 06/26/24 08:38	Mecovery 49 49 Chromatograp Result 251	S1- S1- Ohy - Solub Qualifier	70 - 130 70 - 130 70 - 130 RL 4.98		<u> </u>	06/27/24 14:29 06/27/24 14:29 Prepared	06/28/24 18:51 06/28/24 18:51 <u>Analyzed</u> 06/29/24 09:20 nple ID: 890-	Dil Fa
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: SS 2 ate Collected: 06/24/24 13:23 ate Received: 06/26/24 08:38 Method: SW846 8021B - Volatile	<u>%Recovery</u> 49 49 Chromatograp Result 251	S1- S1- Ohy - Solubl Qualifier	70 - 130 70 - 130 70 - 130 8 8 9 8 9 9	mg/Kg		06/27/24 14:29 06/27/24 14:29 Prepared	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri	Dil Fac 6849-2 x: Solic
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride	%Recovery 49 49 1 Chromatograp Result 251	S1- S1- Ohy - Solubl Qualifier ounds (GC Qualifier	70 - 130 70 - 130 70 - 130 8 8 9 8 9 8 9 9 8 9 8 9 8 9 8 9 8 9 8	mg/Kg	D	06/27/24 14:29 06/27/24 14:29 Prepared Lab San	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri Analyzed	Dil Fac 6849-2 x: Solic Dil Fac
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: SS 2 ate Collected: 06/24/24 13:23 ate Received: 06/26/24 08:38 Method: SW846 8021B - Volatile Analyte Benzene	%Recovery 49 49 6 Chromatograp Result 251 e Organic Comp Result <0.0504	S1- S1- Ohy - Solubl Qualifier ounds (GC Qualifier	70 - 130 70 - 130 70 - 130 8 8 4.98 4.98 0 RL 0.0504	mg/Kg		06/27/24 14:29 06/27/24 14:29 Prepared Lab San	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri Analyzed 06/29/24 05:46	Dil Fa 6849-2 x: Solic Dil Fa
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride	Kecovery 49 49 Chromatograp Result 251 Organic Comp Result • Organic Comp Result <0.0504 3.71 	S1- S1- Qualifier Ounds (GC Qualifier U	70 - 130 70 - 130 70 - 130 RL 4.98 RL 0.0504 0.0504	Unit mg/Kg mg/Kg mg/Kg		06/27/24 14:29 06/27/24 14:29 Prepared Lab San Prepared 06/28/24 10:09 06/28/24 10:09	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri Analyzed 06/29/24 05:46 06/29/24 05:46	Dil Fac 6849-2 x: Solic Dil Fac 23
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride	<u>%Recovery</u> 49 49 • Chromatograp Result 251 • Organic Comp Result <0.0504 3.71 4.22	S1- S1- Qualifier Ounds (GC Qualifier U	70 - 130 70 - 130 70 - 130 RL 4.98 RL 0.0504 0.0504 0.0504 0.0504	mg/Kg Unit mg/Kg mg/Kg mg/Kg		06/27/24 14:29 06/27/24 14:29 Prepared Lab San 06/28/24 10:09 06/28/24 10:09 06/28/24 10:09	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri 06/29/24 05:46 06/29/24 05:46 06/29/24 05:46	Dil Far 6849-2 x: Solic Dil Far 22 23 24
(GRO)-C6-C10 Surrogate o-Terphenyl 1-Chlorooctane Method: EPA 300.0 - Anions, Ion Analyte Chloride	Kecovery 49 49 Chromatograp Result 251 Organic Comp Result • Organic Comp Result <0.0504 3.71 	S1- S1- Qualifier Ounds (GC Qualifier U	70 - 130 70 - 130 70 - 130 RL 4.98 RL 0.0504 0.0504	Unit mg/Kg mg/Kg mg/Kg		06/27/24 14:29 06/27/24 14:29 Prepared Lab San Prepared 06/28/24 10:09 06/28/24 10:09	06/28/24 18:51 06/28/24 18:51 Analyzed 06/29/24 09:20 nple ID: 890- Matri Analyzed 06/29/24 05:46 06/29/24 05:46	Dil Fac

%Recovery Qualifier

246 S1+

Surrogate

4-Bromofluorobenzene (Surr)

Limits

70 - 130

Eurofins Carlsbad

Dil Fac

25

Analyzed

06/29/24 05:46

Prepared

06/28/24 10:09

Client Sample Results

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Job ID: 890-6849-1 SDG: 03C2024281

Matrix: Solid

5

Lab Sample ID: 890-6849-2

Client Sample ID: SS 2 Date Collected: 06/24/24 13:23

Date Received: 06/26/24 08:38

Project/Site: EIDER FEDERAL 35

Client: Ensolum

		0 117				- <i>.</i>		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130			06/28/24 10:09	06/29/24 05:46	25
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	28.6		0.101	mg/Kg			06/29/24 05:46	1
- Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3610		249	mg/Kg			06/28/24 18:30	1
- Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	461		249	mg/Kg		06/27/24 14:29	06/28/24 18:30	5
(GRO)-C6-C10								
Diesel Range Organics (Over	1120		249	mg/Kg		06/27/24 14:29	06/28/24 18:30	5
C10-C28)								
Oil Range Organics (Over	2030		249	mg/Kg		06/27/24 14:29	06/28/24 18:30	5
C28-C36)								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			06/27/24 14:29	06/28/24 18:30	5
o-Terphenyl	99		70 - 130			06/27/24 14:29	06/28/24 18:30	5
Method: EPA 300.0 - Anions, lo	n Chromatograp	hy - Solubl	e					
		o	-			Durana	A	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 880-45318-A-1-A MS Matrix Spike 116 108 880-45318-A-1-B MSD Matrix Spike Duplicate 123 104 890-6849-1 SS 1 98 84 SS 2 890-6849-2 246 S1+ 97 890-6855-A-21-B MS Matrix Spike 120 91 890-6855-A-21-C MSD Matrix Spike Duplicate 98 101 LCS 880-84312/1-A Lab Control Sample 70 106 LCS 880-84468/1-A 100 105 Lab Control Sample LCSD 880-84312/2-A Lab Control Sample Dup 121 110 LCSD 880-84468/2-A Lab Control Sample Dup 111 105 MB 880-84312/5-A Method Blank 183 S1+ 121 MB 880-84412/5-A Method Blank 78 87 MB 880-84468/5-A Method Blank 72 91 Surrogate Legend BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

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

-			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45332-A-67-D MS	Matrix Spike	65 S1-	61 S1-
880-45332-A-67-E MSD	Matrix Spike Duplicate	62 S1-	56 S1-
890-6849-1	SS 1	49 S1-	49 S1-
890-6849-2	SS 2	99	99
LCS 880-84376/2-A	Lab Control Sample	97	97
LCSD 880-84376/3-A	Lab Control Sample Dup	113	115
MB 880-84376/1-A	Method Blank	136 S1+	149 S1+

Surrogate Legend

1CO = 1-Chlorooctane

Job ID: 890-6849-1 SDG: 03C2024281

Prep Type: Total/NA

Prep Type: Total/NA

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-843	12/5-A							(Client Sa	ample ID: I	Nethod	Blank
Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 84308										Prep	Batch:	84312
-	MI	в мв										
Analyte	Resu	t Qualifier	RL		Uni	t	D	Pr	epared	Analyze	ed	Dil Fac
m-Xylene & p-Xylene	<0.0040	D U	0.00400)	mg/	'Kg		06/27	7/24 08:37	06/27/24 1	11:41	1
Benzene	<0.0020	U C	0.00200)	mg/	'Kg		06/27	7/24 08:37	06/27/24 1	11:41	1
o-Xylene	<0.0020	U C	0.00200)	mg/	'Kg		06/27	7/24 08:37	06/27/24 1	11:41	1
Xylenes, Total	<0.0040	D U	0.00400)	mg/	Кg		06/27	7/24 08:37	06/27/24 1	11:41	1
Toluene	<0.0020	D U	0.00200)	mg/	Кg		06/27	7/24 08:37	06/27/24 1	11:41	1
Ethylbenzene	<0.0020	D U	0.00200)	mg/	Кg		06/27	7/24 08:37	06/27/24 1	11:41	1
Total BTEX	<0.0020	D U	0.00200)	mg/	Кg		06/27	7/24 08:37	06/27/24 1	11:41	1
	М	3 <i>MB</i>										
Surrogate	%Recover	y Qualifier	Limits					Pr	repared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)	18	3 S1+	70 - 130	-				06/27	7/24 08:37	06/27/24	11:41	1
1,4-Difluorobenzene (Surr)	12	1	70 - 130					06/27	7/24 08:37	06/27/24	11:41	1
Lab Sample ID: LCS 880-84 Matrix: Solid Analysis Batch: 84308	312/1-A						Cli	ient	Sample		ontrol S ype: To Batch:	tal/NA
			Spike	LCS	LCS					%Rec		
Analyte			Added		Qualifier	Unit		<u>D</u>	%Rec	Limits		
m-Xylene & p-Xylene			0.200	0.06904	*-	mg/Kg			35	70 - 130		
Benzene			0.100	0.07177		mg/Kg			72	70 - 130		
o-Xylene			0.100	0.06269	*-	mg/Kg			63	70 - 130		
Toluene			0.100	0.06864	*-	mg/Kg			69	70 - 130		
Ethylbenzene			0.100	0.08331		mg/Kg			83	70 - 130		
	LCS LC	s										
Surrogate	%Recovery Qu	alifier	Limits									
4-Bromofluorobenzene (Surr)	70		70 - 130									
1,4-Difluorobenzene (Surr)	106		70 - 130									
Lab Sample ID: LCSD 880-8	4312/2-A					С	ient S	Sam	ple ID: L	ab Contro	l Sampl	le Dup
Matrix: Solid											ype: To	
Analysis Batch: 84308											Batch:	
			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added		Qualifier	Unit		D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene			0.200	0.1684		mg/Kg			84	70 - 130	84	35
Benzene			0.100	0.09926		mg/Kg			99	70 - 130	32	35
			0 100	0 1002	*1	malka			100	70 120	46	25

Analysis Batch: 84308							Prep	Batch:	84312
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	0.200	0.1684	*1	mg/Kg		84	70 - 130	84	35
Benzene	0.100	0.09926		mg/Kg		99	70 - 130	32	35
o-Xylene	0.100	0.1003	*1	mg/Kg		100	70 - 130	46	35
Toluene	0.100	0.08495		mg/Kg		85	70 - 130	21	35
Ethylbenzene	0.100	0.08414		mg/Kg		84	70 - 130	1	35
I CSI									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-45318-A-1 Matrix: Solid Analysis Batch: 84308	-A MS							Client	· Prep ⁻	: Matrix Spike Type: Total/NA Batch: 84312
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
m-Xylene & p-Xylene	<0.00398	U *- *1	0.200	0.1719		mg/Kg		86	70 - 130	

rol Sample

ountion bample	
p Type: Total/NA	
rep Batch: 84312	

Client: Ensolum Project/Site: EIDER FEDERAL 35

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

Lab Sample ID: 880-45318-A-1 Matrix: Solid Analysis Batch: 84308	I-A MS								Client \$	Sample ID: M Prep Typ Prep B	e: To	tal/NA
	Sample	Sam	ole	Spike	MS	MS				%Rec		
Analyte	Result	Qual	ifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00199	U		0.100	0.09834		mg/Kg		98	70 - 130		
o-Xylene	<0.00199	U *- *	1	0.100	0.09018		mg/Kg		90	70 - 130		
Toluene	<0.00199	U *-		0.100	0.08060		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00199	U		0.100	0.08321		mg/Kg		83	70 - 130		
	MS	MS										
Surrogate	%Recovery	Qual	ifier	Limits								
4-Bromofluorobenzene (Surr)	116			70 - 130								
1,4-Difluorobenzene (Surr)	108			70 - 130								
Lab Sample ID: 880-45318-A-1	I-B MSD						С	lient S	ample ID:	Matrix Spik	e Dup	olicate
Matrix: Solid										Ргер Тур		
Analysis Batch: 84308										Prep B	atch:	84312
	Sample	Samı	ole	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qual	ifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
m-Xylene & p-Xylene	<0.00398	U *- *	1	0.199	0.2004		mg/Kg		101	70 - 130	15	3
Benzene	<0.00199	U		0.0994	0.1027		mg/Kg		103	70 - 130	4	35
o-Xylene	<0.00199	U *- *	1	0.0994	0.1055		mg/Kg		106	70 - 130	16	3
Toluene	<0.00199	U *-		0.0994	0.08094		mg/Kg		81	70 - 130	0	3
Ethylbenzene	<0.00199	U		0.0994	0.1008		mg/Kg		101	70 - 130	19	3
		MSD										
Surrogate		Qual	ifier	Limits								
4-Bromofluorobenzene (Surr)	123			70 - 130								
1,4-Difluorobenzene (Surr)	104			70 - 130								
Lab Sample ID: MB 880-84412	2/5-A								Client Sa	ample ID: Me		
Matrix: Solid										Prep Typ		
Analysis Batch: 84451		мв	мв							Prep B	atch:	84412
Analyte	Re		Qualifier	I	RL	Unit		DF	Prepared	Analyzed		Dil Fac
m-Xylene & p-Xylene	<0.00	400	U	0.004	00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
Benzene	<0.00	200	U	0.002	:00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
o-Xylene	<0.00	200	U	0.002	:00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
Xylenes, Total	<0.00	400	U	0.004	00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
Toluene	<0.00	200	U	0.002	:00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
Ethylbenzene	<0.00	200	U	0.002	00	mg/K	g	06/2	27/24 16:42	06/28/24 11:	23	
		ΜВ	МВ									
Surrogate	%Recov		Qualifier	Limits				-	Prepared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)		78		70 - 130					27/24 16:42	06/28/24 11:		
1,4-Difluorobenzene (Surr)		87		70 - 130	0			06/.	27/24 16:42	06/28/24 11:	23	
Lab Sample ID: MB 880-84468	8/5-A								Client Sa	ample ID: Me		
Matrix: Solid										Ргер Тур	e: To	tal/NA
Analysis Batch: 84451										Prep B	atch:	84468
		MB	МВ									

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	< 0.00400	U	0.00400	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/24 10:09	06/28/24 22:10	1

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Job ID: 890-6849-1 SDG: 03C2024281

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

Matrix: Solid										Prep Type:	Tota	al/NA
Analysis Batch: 84451										Prep Bate	h: 84	4468
	MB	MB										
Analyte	Result	Qualifier	RL		Unit		D	Pr	epared	Analyzed	D	Dil Fa
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		06/28	3/24 10:09	06/28/24 22:10		
Toluene	<0.00200	U	0.00200		mg/K	g		06/28	8/24 10:09	06/28/24 22:10		
Ethylbenzene	<0.00200	U	0.00200		mg/K	g		06/28	8/24 10:09	06/28/24 22:10		
	MB	MB										
Surrogate	%Recovery	Qualifier	Limits					Pr	repared	Analyzed	D	Dil Fa
I-Bromofluorobenzene (Surr)	72		70 - 130					06/28	8/24 10:09	06/28/24 22:10		
1,4-Difluorobenzene (Surr)	91		70 - 130					06/28	8/24 10:09	06/28/24 22:10		
Lab Sample ID: LCS 880-844	68/1-A						С	lient	Sample	D: Lab Contro	l Sar	mp
Matrix: Solid										Prep Type:		
Analysis Batch: 84451										Prep Bate		
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
n-Xylene & p-Xylene			0.200	0.2246		mg/Kg			112	70 - 130		
Benzene			0.100	0.1111		mg/Kg			111	70 - 130		
o-Xylene			0.100	0.1048		mg/Kg			105	70 - 130		
Toluene			0.100	0.1023		mg/Kg			102	70 - 130		
Ethylbenzene			0.100	0.1200		mg/Kg			120	70 - 130		
	LCS LCS	6										
Surrogate	%Recovery Qua	alifier	Limits									
4-Bromofluorobenzene (Surr)	100		70 - 130									
1,4-Difluorobenzene (Surr)	105		70 - 130									
Lab Sample ID: LCSD 880-84	468/2-A					CI	ient	Sam	ple ID: La	ab Control Sar	nple	Du
Matrix: Solid									-	Prep Type:	Tota	al/N
Analysis Batch: 84451										Prep Bate	h: 84	446
-			Spike	LCSD	LCSD					%Rec		RF
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits RF	D	Lin
n-Xylene & p-Xylene			0.200	0.2462		mg/Kg			123	70 - 130	9	3
Benzene			0.100	0.1115		mg/Kg			112	70 - 130	0	3
o-Xylene			0.100	0.1156		mg/Kg			116	70 - 130	0	3
Toluene			0.100	0.1072		mg/Kg			107	70 _ 130	5	:

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-6855-A-21-B MS Matrix: Solid

Matrix: Solid Analysis Batch: 84451										pe: Total/NA Batch: 84468
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2290		mg/Kg		115	70 - 130	
Benzene	<0.00199	U	0.0996	0.09843		mg/Kg		99	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1087		mg/Kg		109	70 - 130	
Toluene	<0.00199	U	0.0996	0.09677		mg/Kg		97	70 - 130	
Ethylbenzene	<0.00199	U *+	0.0996	0.1277		mg/Kg		128	70 - 130	

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Client Sample ID: Matrix Spike

Client: Ensolum Project/Site: EIDER FEDERAL 35

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-6855-A-21-C MSD

Ma	tri	x: :	So	lid	

Analysis Batch: 84451						Prep Batcl				Batch:	84468
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1713		mg/Kg		85	70 - 130	29	35
Benzene	<0.00199	U	0.101	0.09307		mg/Kg		92	70 - 130	6	35
o-Xylene	<0.00199	U	0.101	0.08088		mg/Kg		80	70 - 130	29	35
Toluene	<0.00199	U	0.101	0.08590		mg/Kg		85	70 - 130	12	35
Ethylbenzene	<0.00199	U *+	0.101	0.09514		mg/Kg		94	70 - 130	29	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-84376/1- Matrix: Solid Analysis Batch: 84437	Prep						mple ID: Metho Prep Type: ٦ Prep Batch	Total/NA
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/27/24 14:28	06/28/24 08:41	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130			06/27/24 14:28	06/28/24 08:41	1
o-Terphenyl	149	S1+	70 - 130			06/27/24 14:28	06/28/24 08:41	1

Lab Sample ID: LCS 880-84376/2-A
Matrix: Solid

Analysis Batch: 84437							Prep	Batch:	84376
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over	1000	985.8		mg/Kg		99	70 - 130		
C10-C28)									
Gasoline Range Organics	1000	992.9		mg/Kg		99	70 - 130		
(GRO)-C6-C10									

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	97		70 - 130

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Job ID: 890-6849-1 SDG: 03C2024281

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Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client: Ensolum Project/Site: EIDER FEDERAL 35

Job ID: 890-6849-1 SDG: 03C2024281

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

Lab Sample ID: LCSD 880-8	34376/3-A					Clier	nt Sam	ple ID: I	_ab Contro	-	
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 84437									Prep	Batch:	84376
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Diesel Range Organics (Over			1000	986.1		mg/Kg		99	70 - 130	0	20
C10-C28)											
Gasoline Range Organics			1000	1011		mg/Kg		101	70 - 130	2	20
(GRO)-C6-C10											
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	115		70 - 130								
	110		/01/00								
Lab Sample ID: 880-45332-4	A-67-D MS							Client	Sample ID:	: Matrix	Spike
Matrix: Solid										ype: To	
Analysis Batch: 84437										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	•	Qualifier	Added	Result		Unit	D	%Rec	Limits		
Diesel Range Organics (Over	Err		999	401.2	F1	mg/Kg		34	70 - 130		
C10-C28)			000					0.	10-100		
Gasoline Range Organics	Err	F1	999	362.1	F1	mg/Kg		35	70 - 130		
(GRO)-C6-C10						0 0					
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane		-	70 - 130								
o-Terphenyl		S1-	70 - 130								
	01	01	/01/00								
Lab Sample ID: 880-45332-4	A-67-E MSD					CI	ient Sa	ample ID	: Matrix Sp	oike Dur	licate
Matrix: Solid										ype: To	
Analysis Batch: 84437										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Diesel Range Organics (Over	Err		999	375.2		mg/Kg		32	70 - 130	7	20
C10-C28)						0.0		-			
Gasoline Range Organics	Err	F1	999	339.7	F1	mg/Kg		33	70 - 130	6	20
(GRO)-C6-C10											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane		S1-	70 - 130								
		S1-	70 - 130 70 - 130								
o-Terphenyl	56	31-	10 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84369/1-A Matrix: Solid Analysis Batch: 84458						Client Sa	ample ID: Metho Prep Type:	
-	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/29/24 06:59	1

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Project/Site: EIDER FEDERAL 35

Client: Ensolum

Job ID: 890-6849-1 SDG: 03C2024281

Method: 300.0 - Anions, Ion Chromatography (Continued)

- Lab Sample ID: LCS 88	0 94260/2 4			Client Sample ID: Lab Control Sampl						omolo	
Matrix: Solid	0-04309/2-A			Cheft Sample D. Lab Control Samp Prep Type: Solub							
Analysis Batch: 84458									Fieh	Type. 5	oluble
Analysis Batch. 04400			Spike	1.05	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	255.3		mg/Kg		102	90 - 110		
			200	200.0		mg/rtg		102	00-110		
Lab Sample ID: LCSD 8	80-84369/3-A					Clier	nt Sam	nple ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid										Type: S	
Analysis Batch: 84458											
· · ·			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	257.1		mg/Kg		103	90 _ 110	1	20
-											
Lab Sample ID: 880-452	287-A-7-B MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 84458											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	1210		250	1436	4	mg/Kg		91	90 - 110		
Lab Sample ID: 880-452	287-A-7-C MSD					CI	ient Sa	ample IC): Matrix S	oike Dup	olicate
Matrix: Solid										Type: S	
Analysis Batch: 84458											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1210		250	1441	4	mg/Kg		93	90 - 110	0	20

Client Sample ID

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

Method Blank

Method Blank

Matrix Spike

SS 1

Method Blank

Matrix Spike

SS 1

QC Association Summary

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Matrix

Solid

Solid Solid

Solid

Solid

Solid

Matrix

Solid

Client: Ensolum Project/Site: EIDER FEDERAL 35

GC VOA

Lab Sample ID

MB 880-84312/5-A

LCS 880-84312/1-A

LCSD 880-84312/2-A

880-45318-A-1-A MS

880-45318-A-1-B MSD

Prep Batch: 84312

MB 880-84312/5-A

LCS 880-84312/1-A

LCSD 880-84312/2-A

880-45318-A-1-A MS

880-45318-A-1-B MSD

Prep Batch: 84412 Lab Sample ID

MB 880-84412/5-A

Lab Sample ID

890-6849-1

890-6849-1

Analysis Batch: 84308

	D: 890-6849-1	Jo
	G: 03C2024281	S
	Prep Batch	Method
	84312	8021B
5	84312	8021B
8		
	Prep Batch	Method
9		5035
		5035
		5035
		5035
		5035
		5035
4.0	Prep Batch	Method
13		5035
	Prep Batch	Method
	84468	8021B
	84412	8021B

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6849-2	SS 2	Total/NA	Solid	8021B	84468
MB 880-84412/5-A	Method Blank	Total/NA	Solid	8021B	84412
MB 880-84468/5-A	Method Blank	Total/NA	Solid	8021B	84468
LCS 880-84468/1-A	Lab Control Sample	Total/NA	Solid	8021B	84468
LCSD 880-84468/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84468
890-6855-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	84468
890-6855-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84468

Analysis Batch: 84463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6849-1	SS 1	Total/NA	Solid	Total BTEX	
890-6849-2	SS 2	Total/NA	Solid	Total BTEX	

Prep Batch: 84468

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6849-2	SS 2	Total/NA	Solid	5035	
MB 880-84468/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84468/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84468/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6855-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
890-6855-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 84376

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6849-1	SS 1	Total/NA	Solid	8015NM Prep	
890-6849-2	SS 2	Total/NA	Solid	8015NM Prep	
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum Project/Site: EIDER FEDERAL 35

GC Semi VOA (Continued)

Prep Batch: 84376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Analysis Batch: 84437					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6849-1	SS 1	Total/NA	Solid	8015B NM	84376
890-6849-2	SS 2	Total/NA	Solid	8015B NM	84376
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015B NM	84376
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84376
LCSD 880-84376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84376
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015B NM	84376
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84376
Analysis Batch: 84783					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6849-1	SS 1	Total/NA	Solid	8015 NM	
890-6849-2	SS 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6849-1	SS 1	Soluble	Solid	DI Leach	
890-6849-2	SS 2	Soluble	Solid	DI Leach	
MB 880-84369/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84369/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84369/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45287-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45287-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 84458

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6849-1	SS 1	Soluble	Solid	300.0	84369
890-6849-2	SS 2	Soluble	Solid	300.0	84369
MB 880-84369/1-A	Method Blank	Soluble	Solid	300.0	84369
LCS 880-84369/2-A	Lab Control Sample	Soluble	Solid	300.0	84369
LCSD 880-84369/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84369
880-45287-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	84369
880-45287-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84369

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Job ID: 890-6849-1 SDG: 03C2024281

Job ID: 890-6849-1 SDG: 03C2024281

Lab Sample ID: 890-6849-1 Matrix: Solid

Lab Sample ID: 890-6849-2

Matrix: Solid

Date Collected: 06/24/24 13:20 Date Received: 06/26/24 08:38

Client Sample ID: SS 1

Project/Site: EIDER FEDERAL 35

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84312	06/27/24 08:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84308	06/27/24 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84463	06/27/24 17:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84783	06/28/24 18:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 18:51	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84369	06/27/24 13:54	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84458	06/29/24 09:20	СН	EET MID

Client Sample ID: SS 2

Date Collected: 06/24/24 13:23 Date Received: 06/26/24 08:38

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84468	06/28/24 10:09	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	84451	06/29/24 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84463	06/29/24 05:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84783	06/28/24 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	84437	06/28/24 18:30	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	84369	06/27/24 13:54	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84458	06/29/24 09:25	CH	EET MID

Laboratory References:

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

12 13 14 Accreditation/Certification Summary

Client: Ensolum Project/Site: EIDER FEDERAL 35

Laboratory: Eurofins Midland

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

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	P	T104704400	06-30-24
• ,	tes are included in this report, b	ut the laboratory is not certil	fied by the governing authority. This list	t may include analytes
0	y does not offer certification.	Matrix	Analuto	
Analysis Method	y does not offer certification. Prep Method	Matrix	Analyte Total TPH	
0		Matrix Solid Solid	Analyte Total TPH Total BTEX	

Eurofins Carlsbad

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7/12/2024

Job ID: 890-6849-1 SDG: 03C2024281 Project/Site: EIDER FEDERAL 35

Client: Ensolum

Job ID: 890-6849-1 SDG: 03C2024281

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 Refe	rences:		
ASTM = A	STM International		
EPA = US	Environmental Protection Agency		
SW846 = '	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	dition, November 1986 And Its Updates.	
	- TestAmerica Laboratories, Standard Operating Procedure		

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 9/16/2024 3:56:21 PM

Client: Ensolum Project/Site: EIDER FEDERAL 35

Job ID: 890-6849-1 SDG: 03C2024281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6849-1	SS 1	Solid	06/24/24 13:20	06/26/24 08:38
890-6849-2	SS 2	Solid	06/24/24 13:23	06/26/24 08:38





Work Order No: _

890-6849 Chain of Custody

🔅 eurofins **Environment Testing** Xenco 890001110

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

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Project Manager:	David McInnis					Bill to: (if	t)	Ensolum			1			Work Order Comments					_						
Company Name:	Ensolum				Company Name:			Hadlie G		ne	reen				Program: UST/PST 🔲 PRP 🗌 Brownfields 🗌 RRC 🔲 Superfund 🗌										
Address:	3122	National F	Parks ⊢	lwy		Address											State of Project:								
City, State ZIP:	Carls	sbad, NM 8	8220			City, Sta	te ZIP:				1						Repo	Reporting: Level II Level III PST/UST TRRP Level I					Level IV		
Phone:	409-	454-3009			Email:	dmcinni	is@ens	solum.	com ,	Hgre	en@ei	nsolum.com Deliverables: EDD ADaPT Other						Other:							
Project Name:	Eider Federal 35 Tur			Around							ANALYSIS RE			RE	EQUEST					Pre	servative	Codes			
Project Number:		03C2	202428	1	🗹 Routine 🗌 Rush			Pres. Code															None: NO		I Water: H ₂ O
Project Location:		32.16790	, -103.6	64670	Due Date:																		Cool: Coo	ol N	leOH: Me
Sampler's Name:		Trac	y Hillar	d	TAT starts the																		HCL: HC		NO₃: HN
PO #:				<u> </u>		received by 4:30pm		2														H ₂ S0 ₄ : H		aOH: Na	
SAMPLE RECEI		Temp B		Yes No	Wet Ice:	Ś	No	meters	î,														H₃PO₄: H		
Samples Received In		Yes	No No	Thermometer		INM		Para												1			NaHSO₄:		
Cooler Custody Seal		Yes No		Correction F		· 0. 9.	2	•	EP														Na ₂ S ₂ O ₃ :		-
Sample Custody Sea Total Containers:	als:	Yes No		Temperature Corrected T		ي ال	.0		ES (te+NaOH: scorbic Ac	
Total Containers:	_					0,	¥		22														NaOH+A	SCOIDIC AL	IU: SAPC
Sample Iden	ntifica	tion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	Ŧ	BTEX												Sar	mple Cor	nments
SS0)1		S	6/24/2024	13:20	0.5	G	1	х	x	×												Incident	ID: PEN	DING
SS0	2		s	6/24/2024	13:23	0.5	G	1	x	x	x														
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14

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6849 List Number: 1 Creator: Bruns, Shannon

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	

Job Number: 890-6849-1 SDG Number: 03C2024281

Job Number: 890-6849-1 SDG Number: 03C2024281

List Source: Eurofins Midland

List Creation: 06/27/24 07:47 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6849 List Number: 2 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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Received by OCD: 8/22/2024 1:24:31 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 8/6/2024 5:34:08 PM

JOB DESCRIPTION

Eider Federal 35 Lea County NM

JOB NUMBER

880-46746-1

EOL

RT OR reen olum d St. 400

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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

AMER

Generated 8/6/2024 5:34:08 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 880-46746-1 SDG: Lea County NM

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	Definitions/Glossary		
Client: Ensolum Project/Site: Eid		Job ID: 880-46746-1 SDG: Lea County NM	2
Qualifiers			3
GC VOA Qualifier	Qualifier Description		4
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		5
GC Semi VOA Qualifier	Qualifier Description		6
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC Qualifier	Qualifier Description		8
U	Indicates the analyte was analyzed for but not detected.		
Glossary			9
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)		4 2
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		

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Error Ratio (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)

Quality Control

TEQToxicity Equivalent Quotient (Dioxin)TNTCToo Numerous To Count

QC

RER

Eurofins Midland

Case Narrative

Job ID: 880-46746-1

Job ID: 880-46746-1

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Eurofins Midland

Job Narrative 880-46746-1

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 7/31/2024 2:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87238 and analytical batch 880-87227 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (880-46579-A-1-E), (880-46579-A-1-T MS) and (880-46579-A-1-U MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: SW01 (880-46746-2). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: FS01 (880-46746-1). Percent recoveries are based on the amount spiked.

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 and precision for preparation batch 880-87299 and analytical batch 880-87317 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

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

Job ID: 880-46746-1 SDG: Lea County NM

Client Sample ID: FS01

Project/Site: Eider Federal 35

Date Collected: 07/30/24 12:10 Date Received: 07/31/24 14:31

Sample Depth: 18"

Client: Ensolum

Lab Sample ID: 880-46746-1

Matrix: Solid

5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/01/24 08:47	08/01/24 12:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			08/01/24 08:47	08/01/24 12:27	1
1,4-Difluorobenzene (Surr)	117		70 - 130			08/01/24 08:47	08/01/24 12:27	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/01/24 12:27	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/02/24 18:24	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		08/01/24 07:20	08/02/24 18:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/01/24 07:20	08/02/24 18:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/01/24 07:20	08/02/24 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	222	S1+	70 - 130			08/01/24 07:20	08/02/24 18:24	1
o-Terphenyl	222	S1+	70 - 130			08/01/24 07:20	08/02/24 18:24	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		5.02	mg/Kg			08/04/24 05:13	1
Client Sample ID: SW01						Lab Sam	ple ID: 880-4	6746-2
Date Collected: 07/30/24 12:15							-	x: Solid
Date Received: 07/31/24 14:31								
Sample Depth: 18"								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 12:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 12:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 12:48	1

m-Xylene & p-Xylene <0.00399 U 0.00399 08/01/24 08:47 08/01/24 12:48 1 mg/Kg o-Xylene <0.00200 U 0.00200 08/01/24 08:47 08/01/24 12:48 mg/Kg 1 Xylenes, Total <0.00399 U 0.00399 08/01/24 08:47 08/01/24 12:48 mg/Kg 1 Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 70 - 130 08/01/24 08:47 08/01/24 12:48 1

Eurofins Midland

4-Bromofluorobenzene (Surr) 101

Released to Imaging: 9/16/2024 3:56:21 PM
Client Sample Results

Job ID: 880-46746-1 SDG: Lea County NM

Client Sample ID: SW01

Project/Site: Eider Federal 35

Date Collected: 07/30/24 12:15 Date Received: 07/31/24 14:31

Date Received:	07/31/24
Sample Depth:	18"

Client: Ensolum

Lab Sample ID: 880-46746-2

Method: SW846 8021B - Vola	tile Organic Comp	ounds (GC)) (Continued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	109		70 - 130			08/01/24 08:47	08/01/24 12:48	1
Analyte Total BTEX	Result <0.00399	Qualifier U	RL 0.00399	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/01/24 12:48	Dil Fa
-				mg/Kg			08/01/24 12:48	
Method: SW846 8015 NM - Di	iesel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg	_		08/02/24 21:21	4

Method: SW846 8015B NM - Diesel Range Organics (E RO) (G

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		08/01/24 07:20	08/02/24 21:21	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		08/01/24 07:20	08/02/24 21:21	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/01/24 07:20	08/02/24 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			08/01/24 07:20	08/02/24 21:21	1
o-Terphenyl	253	S1+	70 - 130			08/01/24 07:20	08/02/24 21:21	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.0		5.04	mg/Kg			08/04/24 05:22	1

Matrix: Solid

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Surrogate Summary

Client: Ensolum Project/Site: Eider Federal 35

Job ID: 880-46746-1 SDG: Lea County NM

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Method: 8021B - Volatile Organic Compounds (GC)

Matrix:	So	lid

		BFB1	DFBZ1	
Sample ID Clie	nt Sample ID	(70-130)	(70-130)	
746-1 FS0	1	105	117	
5746-2 SW0)1	101	109	
80-87238/1-A Lab	Control Sample	89	107	
80-87238/2-A Lab	Control Sample Dup	94	106	
80-87238/5-A Meth	hod Blank	148 S1+	118	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-46746-1	FS01	222 S1+	222 S1+		
880-46746-2	SW01	124	253 S1+		13
LCS 880-87225/2-A	Lab Control Sample	99	109		
LCSD 880-87225/3-A	Lab Control Sample Dup	123	108		
MB 880-87225/1-A	Method Blank	84	86		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Job ID: 880-46746-1 SDG: Lea County NM

Project/Site: Eider Federal 35 Method: 8021B - Volatile Organic Compounds (GC)

 4

Matrix: Solid Analysis Batch: 87227

Client: Ensolum

Analysis Baton. Of EET							Thep Bater	
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/01/24 08:47	08/01/24 11:38	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			08/01/24 08:47	08/01/24 11:38	1
1,4-Difluorobenzene (Surr)	118		70 - 130			08/01/24 08:47	08/01/24 11:38	1

Lab Sample ID: LCS 880-87238/1-A Matrix: Solid

Analysis Batch: 87227

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1019		mg/Kg		102	70 - 130	
Toluene	0.100	0.09486		mg/Kg		95	70 - 130	
Ethylbenzene	0.100	0.08019		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	0.200	0.1865		mg/Kg		93	70 - 130	
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-87238/2-A

Matrix: Solid

Analysis Batch: 87227							Prep	Batch:	87238
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1138		mg/Kg		114	70 - 130	11	35
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	6	35
Ethylbenzene	0.100	0.1105		mg/Kg		111	70 - 130	32	35
m-Xylene & p-Xylene	0.200	0.2014		mg/Kg		101	70 - 130	8	35
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87238

Prep Type: Total/NA

QC Sample Results

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

Aatrix: Solid										Prep	Type: To	tal/N/
Analysis Batch: 87292											Batch:	
	I	ΜВ	МВ									
nalyte	Res	sult	Qualifier	RL		Unit		D	Prepared	Analy	zed	Dil Fa
asoline Range Organics	<5	0.0	U	50.0		mg/K	3)8/01/24 07:2			
GRO)-C6-C10						0						
iesel Range Organics (Over	<5	0.0	U	50.0		mg/K	9	(08/01/24 07:2	0 08/02/24	09:45	
10-C28)												
il Range Organics (Over C28-C36)	<5	0.0	U	50.0		mg/K	9	(08/01/24 07:2	0 08/02/24	09:45	
			MD									
		MB		1					Durantes	A		D# C-
urrogate	%Recov	<u> </u>	Qualifier	Limits				_	Prepared	Analy		Dil Fa
Chlorooctane		84		70 - 130					08/01/24 07:2			
Terphenyl		86		70 - 130				(08/01/24 07:2	20 08/02/24	09:45	
ab Sample ID: LCS 880-87225/2	•							CI	ant Samal	e ID: Lab C	ontrol C	ompl
atrix: Solid	-A							Cir	ent Sampi			
											Type: To	
nalysis Batch: 87292				0		1.00					o Batch:	8/22
				Spike		LCS				%Rec		
nalyte				Added		Qualifier	Unit		D %Rec	Limits		
asoline Range Organics				1000	974.5		mg/Kg		97	70 - 130		
RO)-C6-C10				1000	077.0				00	70 400		
esel Range Organics (Over				1000	977.6		mg/Kg		98	70 - 130		
10-C28)												
	LCS I	LCS										
ırrogate	%Recovery	Qual	ifier	Limits								
Chlorooctane	99			70 - 130								
Terphenyl	109			70 - 130								
							C11					
-	/3- A							ent S	ample ID:			
latrix: Solid	/3-A						01	ent S	ample ID:	Prep	Туре: То	tal/N
latrix: Solid	/3 -A						U.	ent S	ample ID:	Prep Prej		tal/N/ 8722
latrix: Solid	/ 3-A			Spike	LCSD			ent S	-	Prep Prej %Rec	Type: To b Batch:	tal/N 8722
latrix: Solid nalysis Batch: 87292	/3- A			Spike Added		LCSD Qualifier	Unit	ent S	<u>D %Rec</u>	Prep Prej	Туре: То	tal/N 8722 RP
Matrix: Solid Analysis Batch: 87292 Inalyte	/3 -A			-					-	Prep Prej %Rec	Type: To b Batch:	otal/N 8722 RP Lim
Matrix: Solid analysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over	/3 -A			Added	Result		Unit		D %Rec	Prep Prej %Rec Limits	Type: To b Batch: 	tal/NA
latrix: Solid analysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over	/3-A	LCSI		Added	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RP Lim 2
Iatrix: Solid nalysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28)				Added	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RP Lim 2
Iatrix: Solid analysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) urrogate	LCSD 1			Added 1000 1000	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RP Lim 2
Itatrix: Solid analysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) urrogate -Chlorooctane	LCSD I %Recovery (Added 1000 1000 <i>Limits</i>	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RP Lim 2
Itatrix: Solid nalysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) urrogate -Chlorooctane -Terphenyl	LCSD 1 %Recovery 0 123 108	Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RP Lim 2
Itatrix: Solid nalysis Batch: 87292 nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) urrogate -Chlorooctane -Terphenyl	LCSD 1 %Recovery 0 123 108	Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98	Prep Prej %Rec Limits 70 - 130	Type: To p Batch: 	8722 8722 RPI Limi
ab Sample ID: LCSD 880-87225 Matrix: Solid Analysis Batch: 87292 malyte Gasoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) urrogate -Chlorooctane -Terphenyl ethod: 300.0 - Anions, Ion (ab Sample ID: MB 880-87299/1-, Matrix: Solid	LCSD I %Recovery 0 123 108 Chromato	Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 983.7		<mark>Unit</mark> mg/Kg		D %Rec 98 98	Prep Prej %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To p Batch: 	Blan

Analysis Batch: 87317								
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/04/24 04:11	1

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Job ID: 880-46746-1 SDG: Lea County NM

QC Sample Results

Client: Ensolum Project/Site: Eider Federal 35 Job ID: 880-46746-1 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-87299/2-A Matrix: Solid					Client	Sample	ID: Lab Co Prep	ontrol Sa Type: Sa	
Analysis Batch: 87317									
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	227.8		mg/Kg		91	90 - 110		
 Lab Sample ID: LCSD 880-87299/3-A				Clier	nt Sam	nple ID: I	Lab Contro	l Sampl	e Dup
Matrix: Solid							Prep	Type: S	oluble
Analysis Batch: 87317									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit

Eurofins Midland

QC Association Summary

Client: Ensolum Project/Site: Eider Federal 35 Job ID: 880-46746-1 SDG: Lea County NM

GC VOA

Analysis Batch: 87227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	8021B	87238
880-46746-2	SW01	Total/NA	Solid	8021B	87238
MB 880-87238/5-A	Method Blank	Total/NA	Solid	8021B	87238
LCS 880-87238/1-A	Lab Control Sample	Total/NA	Solid	8021B	87238
LCSD 880-87238/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87238
Prep Batch: 87238					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	5035	
880-46746-2	SW01	Total/NA	Solid	5035	
MB 880-87238/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87238/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87238/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 87324					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	Total BTEX	
880-46746-2	SW01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	8015NM Prep	
880-46746-2	SW01	Total/NA	Solid	8015NM Prep	
MB 880-87225/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87225/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87225/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	8015B NM	87225
880-46746-2	SW01	Total/NA	Solid	8015B NM	87225
MB 880-87225/1-A	Method Blank	Total/NA	Solid	8015B NM	87225
LCS 880-87225/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87225
LCSD 880-87225/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87225

Analysis Batch: 87573

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-46746-1	FS01	Total/NA	Solid	8015 NM	
880-46746-2	SW01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46746-1	FS01	Soluble	Solid	DI Leach	
880-46746-2	SW01	Soluble	Solid	DI Leach	
MB 880-87299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Eurofins Midland

QC Association Summary

Client: Ensolum Project/Site: Eider Federal 35

Job ID: 880-46746-1 SDG: Lea County NM

HPLC/IC

Analysis Batch: 87317

nalysis Batch: 87317					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-46746-1	FS01	Soluble	Solid	300.0	87299
80-46746-2	SW01	Soluble	Solid	300.0	87299
IB 880-87299/1-A	Method Blank	Soluble	Solid	300.0	87299
CS 880-87299/2-A	Lab Control Sample	Soluble	Solid	300.0	87299
CSD 880-87299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87299

Eurofins Midland

Job ID: 880-46746-1 SDG: Lea County NM

Matrix: Solid

Lab Sample ID: 880-46746-1

Client Sample ID: FS01 Date Collected: 07/30/24 12:10

Project/Site: Eider Federal 35

Client: Ensolum

Date Received: 07/31/24 14:31

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			87238	MNR	EET MID	08/01/24 08:47
Total/NA	Analysis	8021B		1	87227	MNR	EET MID	08/01/24 12:27
Total/NA	Analysis	Total BTEX		1	87324	MNR	EET MID	08/01/24 12:27
Total/NA	Analysis	8015 NM		1	87573	SM	EET MID	08/02/24 18:24
Total/NA	Prep	8015NM Prep			87225	EL	EET MID	08/01/24 07:20
Total/NA	Analysis	8015B NM		1	87292	ткс	EET MID	08/02/24 18:24
Soluble	Leach	DI Leach			87299	SA	EET MID	08/01/24 13:44
Soluble	Analysis	300.0		1	87317	СН	EET MID	08/04/24 05:13

Client Sample ID: SW01 Date Collected: 07/30/24 12:15

Date Received: 07/31/24 14:31

Lab Sample	ID: 880-46/46-2
	Matrix: Solid

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	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			87238	MNR	EET MID	08/01/24 08:47
Total/NA	Analysis	8021B		1	87227	MNR	EET MID	08/01/24 12:48
Total/NA	Analysis	Total BTEX		1	87324	MNR	EET MID	08/01/24 12:48
Total/NA	Analysis	8015 NM		1	87573	SM	EET MID	08/02/24 21:21
Total/NA	Prep	8015NM Prep			87225	EL	EET MID	08/01/24 07:20
Total/NA	Analysis	8015B NM		1	87292	ТКС	EET MID	08/02/24 21:21
Soluble	Leach	DI Leach			87299	SA	EET MID	08/01/24 13:44
Soluble	Analysis	300.0		1	87317	CH	EET MID	08/04/24 05:22

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Project/Site: Eider Federal 35

Laboratory: Eurofins Midland

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

Authority	Progra	Program		Expiration Date
Texas	NELAF	כ	T104704400	06-30-25
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
• •	loes not offer certification.	2	, , , , , ,	, ,
• •		Matrix	Analyte	, ,
for which the agency d	oes not offer certification.			

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Job ID: 880-46746-1 SDG: Lea County NM

Method Summary

Client: Ensolum Project/Site: Eider Federal 35

Job ID: 880-46746-1 SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	rences: STM International Environmental Protection Agency		
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	lition, November 1986 And Its Updates.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure		
	eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		
	- Luionins ividiand, 1211 W. Florida Ave, ividiand, 1X 79701, 1LL (432)/04-3440		

Laboratory References:

Client: Ensolum Project/Site: Eider Federal 35 Job ID: 880-46746-1 SDG: Lea County NM

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-46746-1	FS01	Solid	07/30/24 12:10	07/31/24 14:31	18"
880-46746-2	SW01	Solid	07/30/24 12:15	07/31/24 14:31	18"

Ni K Se Ag SiO ₂ Na Sr TI Sn U V Zn Hg: 1631/245.1/7470 /7471		Date/Time	1-1-1	Received by (Signature)		Num WWW
Ag SiO ₂ Na Sr Tl Sn U Hg: 1631/245.1/7470 /	Notce: 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 mahimum 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 nego	fins Xenco, its affiliates and sut ises incurred by the client if suc urofins Xenco, but not analyze	r from client company to Euro Isibility for any losses or expen or each sample submitted to E	 constitutes a valid purchase ord s and shall not assume any respo each project and a charge of \$5 i 	Notce: 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.	tice: Signature of this docur service. Eurofins Xenco will Eurofins Xenco. A minimur
	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Al Sb As Ba Be B Cd C CRA Sb As Ba Be Cd Cr	M Texas 11 Al Sb PLP 6010 : 8RCRA S	8RCR	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 ircle Method(s) ar
		XXX	18m C 1	7/70/14 (215	5	lons
		XXX	12281	7/20/2-12/0	5	1021
Sample Comments		BT. FPC Chi	Depth Grab/ #of Comp Cont	Date Time Sampled Sampled	Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC		EX +	5.5	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn		80 80 201	10.	Temperature Reading:	Yes No N/A 1	Sample Custody Seals:
Na 2S 2O 3: NaSO 3		2015	Par	Correction Factor:	YES NO NIA	Cooler Custody Seals:
NaHSO 4: NABIS		1 M	ćđ	mometer I	Yes to	Samples Received Intact:
)	Mes No	Ye No Wetke:	<u> </u>	SAMPLE RECEIPT
H ₂ SO 4: H ₂ NaOH: Na			the lab, if received by 4:30pm	the lab, if rece	124	PO #:
HCI-HC HND-HN			tav received by	TAT starts the	Non Durry, 10	Project Location:
None: NO DI Water: H ₂ O			Rush Code		X74707.1	Project Number:
Preservative Codes	ANALYSIS REQUEST		Turn Around	35 Tum.	Eiver Federal	Project Name:
oles: EDD ADaPT Other:	d MCIMNIS Deusouum, 10 Deliverables:	Chisolum, lowing du	hgreen O Enso	5 Email:	432-557-884	Phone:
Reporting: Level II Level III PST/UST TRRP Level IV	1			79701	Midland, TY,	City, State ZIP:
roject:	State of Project:		Address:	A Stat to Plat	GA N MONDAY.	Address:
UST/PST	Program:		Company Name:		EUSOLOM, LLC	Company Name:
Work Order Comments			Bill to: (if different)		Hadre Green	Project Manager:
V 880-46746 Chain of Custody www.xenco.com Page of	TX (210) 509-3334 : (806) 794-1296 A (575) 988-3199	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	Midland, TX (43 EL Paso, TX (9 Hobbs, NM (5	Environment Testing Xenco		
	Ody Monoral March	Chain of Custody				the eurofins

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8/6/2024

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13

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 46746 List Number: 1 Creator: Kramer, Jessica

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Job Number: 880-46746-1 SDG Number: Lea County NM

List Source: Eurofins Midland

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District III

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 376618

QUESTIONS	
Operator:	OGRID:
COG PRODUCTION, LLC	217955
Midland, TX 79701	Action Number:
	376618
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418343772
Incident Name	NAPP2418343772 EIDER FEDERAL 35 @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2132634113] EIDER FED 35 BATTERY

Location of Release Source

Please answer all the questions in this group.	
Site Name	Eider Federal 35
Date Release Discovered 06/07/2024	
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.	
Incident Type	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	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
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

Aaterial(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	Not answered.		
Produced Water Released (bbls) Details	Not answered.		
Is the concentration of chloride in the produced water >10,000 mg/l	No		
Condensate Released (bbls) Details	Cause: Corrosion Flow Line - Production Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.		
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 376618

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QUESTIONS (continued) Operator: OGRID: COG PRODUCTION, LLC 217955 600 W. Illinois Ave Action Number: Midland, TX 79701 376618 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

E.

Nature and Volume of Release (continued)				
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.			
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.			
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 Pagagana	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

local laws and/or regulations. Name: Brittany Esparza Title: Environmental Technician I hereby agree and sign off to the above statement Email: brittany.Esparza@ConocoPhillips.com Date: 07/01/2024

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District III

Operator:

QUESTIONS

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COG PRODUCTION 11 C

600 W. Illinois Ave

Midland, TX 79701

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

OGRID:

Action Number

Action Type:

217955

376618

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS (continued)

QUESTIONS, Page 3

Action 376618

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Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the elease discovery date What is the shallowest depth to groundwater beneath the area affected by the Between 100 and 500 (ft.) release in feet below ground surface (ft bgs) 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) Between 1 and 5 (mi.) An occupied permanent residence, school, hospital, institution, or church Between 1 and 5 (mi.) A spring or a private domestic fresh water well used by less than five households Between 1 and 5 (mi.) for domestic or stock watering purposes 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 Between 1 and 5 (mi.) Did the release impact areas not on an exploration, development, production, or No storage site Remediation Plan Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 0 (EPA SW-846 Method 8015M) TPH (GRO+DRO+MRO) 0 GRO+DRO (EPA SW-846 Method 8015M) 0 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation On what estimated date will the remediation commence 07/12/2024

On what date will (or did) the final sampling or liner inspection occur 07/12/2024 On what date will (or was) the remediation complete(d) 07/12/2024 What is the estimated surface area (in square feet) that will be reclaimed 0 What is the estimated volume (in cubic yards) that will be reclaimed 0 What is the estimated surface area (in square feet) that will be remediated 10762 What is the estimated volume (in cubic yards) that will be remediated 0 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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Action 376618

QUESTIONS (continued)		
Operator: COG PRODUCTION, LLC	OGRID: 217955	
600 W. Illinois Ave	Action Number:	
Midland, TX 79701	376618	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	EIDER FED 35 BATTERY [fAPP2132634113]	
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)	No	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/22/2024	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in according significantly deviate from the remediation plan proposed, then it should consult with the division to d	ordance with the physical realities encountered during remediation. If the responsible party has any need to letermine if another remediation plan submission is required.	

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Action 376618

QUESTIONS (continued)		
Operator: COG PRODUCTION, LLC	OGRID: 217955	
600 W. Illinois Ave Midland, TX 79701	Action Number: 376618	
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 376618

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QUESTIONS (continued)		
Operator:	OGRID:	
COG PRODUCTION, LLC	217955	
600 W. Illinois Ave	Action Number:	
Midland, TX 79701	376618	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	366991
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/30/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	21

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	35	
What was the total volume (cubic yards) remediated	1.3	
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	35	
What was the total volume (in cubic yards) reclaimed	1.3	
Summarize any additional remediation activities not included by answers (above)	Initial response efforts, excavation of impacted soil, and remediation activities have mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent.	
	losure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.	
	Name: Brittany Esparza	

I hereby agree and sign off to the above statement	Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/22/2024
--	---

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QUESTIONS, Page 7

Action 376618

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QUESTIONS (continued)	
Operator: COG PRODUCTION, LLC	OGRID: 217955
600 W. Illinois Ave Midland, TX 79701	Action Number: 376618
	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 376618

CONDITIONS Operator: OGRID: COG PRODUCTION, LLC 217955 600 W. Illinois Ave Action Number: Midland, TX 79701 376618 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

ſ	Created By	Condition	Condition Date
	rhamlet	We have received your Remediation Closure Report for Incident #NAPP2418343772 EIDER FEDERAL 35, thank you. This Remediation Closure Report is approved.	9/16/2024