

February 27, 2023

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

Re: Remediation Work Plan Addendum East Vacuum Grayburg – San Andreas Unit (EVGSAU) Satellite 5 Incident Number NAPP2213957732 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Natural Resources, LLC (Maverick), has prepared the following *Remediation Work Plan Addendum* (RWPA) related to the East Vacuum Grayburg – San Andreas Unit (EVGSAU) Satellite 5 (Site). This RWPA documents delineation soil sampling activities completed to date as proposed in the approved *Remediation Work Plan (Work Plan)*, dated November 29, 2022 and proposes additional delineation of the release and subsequent excavation activities at the Site. These actions are in response to a flow line release of crude oil and produced water onto the pad. The following RWPA describes delineation activities that have occurred and proposes further delineation and excavation activities to address impacts associated with Incident Number NAPP2213957732.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 26, Township 17 South, Range 35 East, in Lea County, New Mexico (32.806667°, -103.431389°) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On 5 May 2022, a transfer pump leak resulted in the release of approximately 17.4 barrels (bbls) of produced water and 0.9 bbls of crude oil onto the pad within a congested area of active surface and subsurface production equipment. A vacuum truck was promptly dispatched to the Site to recover free-standing fluids; approximately 2 bbls of produced water were recovered. The previous operator, ConocoPhillips Company, reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on May 19, 2022. The release was assigned Incident Number NAPP2213957732.

As a result, Maverick submitted a *Work Plan* proposing delineation activities to further evaluate the migration of soil impacts associated with Incident Number NAPP2213957732. The *Work Plan* was approved by NMOCD on November 29, 2022, via email with no conditions of approval. Initial Site assessment sampling activities, laboratory analytical results and sample locations for soil samples can be referenced in the *Work Plan*. Continuing below in this RWPA is a description of work completed following the approval of the original *Work Plan* and proposed additional remedial actions.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 North Marienfeld Street, Suite 400 | Midland, TX 79701 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the original *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply (Figure 1):

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

DELINEATION AND SOIL SAMPLING ACTIVITIES

On January 9, 2023, Ensolum personnel advanced delineation borings and potholes to assess the presence and/or absence of impacts within and around the observed release extent. Two boreholes (BH01 and BH02) were advanced via hand auger until refusal at approximately 2 feet below ground surface (bgs); borehole BH01 was advanced within the release extent and borehole BH02 was advanced south of the release extent. Additionally, three potholes (PH01 through PH03) were advanced within the release extent via backhoe until equipment refusal at approximately 4 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix A. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Two soil samples from each borehole and/or pothole sampling location were collected at depths ranging from 1-foot to 4 feet bgs. The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

SOIL SAMPLES COLLECTED OUTSIDE THE MAPPED RELEASE EXTENT

Laboratory analytical results for delineation soil samples collected from borehole BH02 indicated the concentrations of all COCs were compliant with the Site Closure Criteria.

SOIL SAMPLES COLLECTED WITHIN THE MAPPED RELEASE EXTENT

Laboratory analytical results for the shallowest depths from each delineation soil sample location, ranging from approximately 1-foot to 3 feet bgs, indicated chloride concentrations exceeded the Site Closure Criteria. Laboratory analytical results for the terminus depths from each delineation soil sample location, ranging from approximately 2 feet to 4 feet bgs, indicated chloride concentrations exceeded the Site Closure Criteria except from sampling location PH02. A summary of soil analtyical results are presented in Table 1 and the full laboratory analytical report is included in Appendix C.

Based laboratory analytical results for the delineation soil samples, additional delineation activities are warranted to further define the extent of impacts throughout the majority of the release.

REMEDIATION WORK PLAN ADDENDUM

Results from the delineation soil sampling indicate soil containing elevated chloride concentrations is present across portions of the 4,027 square foot release area to depths of at least 4 feet bgs. As such, Maverick requests approval to complete the following remediation activities:

- Continued vertical delineation of impacted soil until analytical results indicate COCs are compliant with the Site Closure Criteria at sampling locations BH01, PH01 and PH03. Soil samples will be field screened for VOCs and chloride. Soils samples exhibiting the highest field screening concentration and deepest depth from each sample location will be submitted for laboratory analysis of BTEX, TPH, and chloride.
- Proposed delineation locations depicted on Figure 3 will be advanced until Site Closure Criteria
 is achieved, supplementing the current delineation of impacted soil. The proposed locations are
 representative locations and may adjust due to active subsurface utilities or above-ground
 pipelines/equipment that may interfere with advancement. Soil samples will be field screened for
 VOCs and chloride. Soil samples exhibiting the highest field screening concentration and
 deepest depth from each sample location will be submitted for laboratory analysis of BTEX, TPH,
 and chloride.
- Following delineation, impacted soil will be excavated to the maximum extent practicable (MEP). Due to the presence of active production equipment within the work area, soil may be left in place beneath and around the immediate surrounding area of said equipment for the health and safety of personnel on Site and/or the structural integrity of the active productive equipment. A third-party operator may be required to provide oversight and additional safety measures to be in place before or during remediation activities near their respective utilities. Maverick or third-party operator may implement additional safety precautions above encroachment guidelines, including restrictions on hand shoveling and cribbing. These restrictions may be implemented as health and safety precautions at the judgment and responsibility of a Maverick or third-party operator safety representative. As such, lateral and/or vertical delineation may be achieved via excavation conformation sidewall samples or delineation pothole and/or borehole samples. If impacted soil cannot be removed for any of the reasons described above, the area(s) will be assessed through delineation and deferred until the Site is reclaimed or undergoes major reconstruction.
- Excavated soil will then be transferred to a New Mexico approved landfill facility for disposal and the excavation will be backfilled with non-waste containing soil, as defined by "Procedures for Implementation of the Spill Rule" (September 6, 2019).
- Following additional delineation and subsequent excavation activities driven by field screening and laboratory analytical results, Maverick will proceed with providing NMOCD a report detailing activities performed on Site and, if applicable, proposing additional remedial actions based on results from remediation efforts.

Maverick believes the scope of work described above will meet the Site remediation requirements and are protective of human health, the environment, and groundwater. As such, Maverick respectfully requests approval of this *RWPA* from NMOCD. The Final C 141 is included in Appendix D.

If you have any questions or comments, please contact Mr. Josh Adams at (303) 517-8437 or jadams@ensolum.com.

EVGSAU Satellite 5

ENSOLUM

Sincerely, Ensolum, LLC

anna Byers

Anna Byers Project Geologist

had likes

Josh Adams, PG Project Geologist

cc: Bryce Wagoner, Maverick Natural Resources, LLC New Mexico State Land Office

Attachments:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Proposed Delineation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Lithologic/Soil Sampling Logs
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D Final C-141



Figures

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Tables

				E Maveric	TABLE 1 LE ANALYTICA VGSAU Satellite k Natural Resour County, New Me	5 ces, LLC		2 E	NSO	LUM
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I (Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sam	ples		•	•	
BH01	1/9/2023	1	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,940
BH01	1/9/2023	2	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,210
BH02	1/9/2023	1	<0.00200	0.0514	<49.9	<49.9	<49.9	<49.9	<49.9	581
BH02	1/9/2023	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	313
PH01	1/9/2023	1	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	4,880
PH01	1/9/2023	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	781
PH02	1/9/2023	3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,320
PH02	1/9/2023	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	515
PH03	1/9/2023	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,210
PH03	1/9/2023	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	611

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

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.

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APPENDIX A

Lithologic/Soil Sampling Logs

								Sample Name: BH01	Date: 01/09/23		
				6				Site Name: EVGSAU Satellite 5	Date: 01/03/23		
				5	ΟΙ	LU		Incident Number: NAPP2213957732			
								Job Number: 03D2057012			
			OGI		SAMPLING	GLOG		Logged By: CS	Method: Hand Auger		
Coord	inates: 32			-				Hole Diameter: NA	Total Depth: 2'		
					vith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respecti			
								factors included.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions		
D	1,377	0.9	N	BH01	1 - - 1 -		ССНЕ	CALICHE, White Grey, No sta	in, no odor		
D	1,092	0.4	Ν	BH01	2	2	CCHE	CALICHE, White Grey, no stain, no odor			
						TD @	🤉 2 feet	bgs			
							Refusal	-			
1											

			Sample N	ame: BH02	Date: 01/09/23		
	NC			: EVGSAU Satellite 5			
	IN D V	OLU	Incident N	Incident Number: NAPP2213957732			
				er: 03D2057012			
LITHO	LOGIC / SOIL SA	AMPLING LOG	Logged By	r: CS	Method: Hand Auger		
Coordinates: 32.80666	7, -103.431389		Hole Diam		Total Depth: 2'		
		h HACH Chloride Test Stri			vely. Chloride test		
performed with 1:4 dil	ution factor of soil t	to distilled water. No corr	ection factors incl	uded.			
Moisture Moisture					criptions		
D 470 0.7	N BH02	ΞI	CCHE CALICHE	, White Grey, No sta	iin, no odor		
D 246 0.2	N BH02	2 2 2 0	CCHE CALICHE	CALICHE, White Grey, no stain, no odor			

							Sample Name: PH01	Date: 01/09/23
			C	ΟΙ			Site Name: EVGSAU Satellite 5	
			3				Incident Number: NAPP221395	
							Job Number: 03D2057012	
	LITHOLO	DGIC	/ SOIL S	AMPLING	i LOG		Logged By: CS	Method: Trackhoe
Coordinates: 32			-				Hole Diameter: NA	Total Depth: 4'
							PID for chloride and vapor, resp	ectively. Chloride test
performed with	n 1:4 diluti	ion fa	ctor of soi	l to distilled	water. No co	orrection	factors included.	
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic I	Descriptions
D >3,421	0.9	N	PH01	1 1 -		ССНЕ	CALICHE, White Grey, No	stain, no odor
D 515	0.8	N	PH01	2 -	2	CCHE	CALICHE, dark brown dirt	, no stain, no odor
D 2,755	0.7	N			3 3	CCHE	CALICHE, White Grey, No	stain, no odor
D 700	0.7	N		-	4	CCHE	CALICHE, White Grey, No	stain, no odor
						9 4 feet Refusal)		

							Sample Name: PH02	Date: 01/09/23
			C					
	1		>	ΟΙ		V	Site Name: EVGSAU Satellite 5 Incident Number: NAPP22139	57732
							Job Number: 03D2057012	
	LITHOL	OGIO		SAMPLING	LOG		Logged By: CS	Method: Trackhoe
Coordinates: 3			-				Hole Diameter: NA	Total Depth: 4'
				ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, res	pectively. Chloride test
performed with	h 1:4 dilut	ion fa	actor of soi	il to distilled	water. No co	orrection	factors included.	
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
D 1,831	1.1	N		للـ - -		ССНЕ	CALICHE, White Grey, No	o stain, no odor
D 1,478	0.9	N		-	2	CCHE	CALICHE, dark brown dir	t, no stain, no odor
D 2,032	0.8	N	PH02	3 -	3	CCHE	CALICHE, White Grey, No	o stain, no odor
D 369	1.3	N	PH02	4 -	4	CCHE	CALICHE, White Grey, No	o stain, no odor
						9 4 feet Refusal)	bgs	

							Sample Name: PH03	Date: 01/09/23		
			C	ΟΙ			Site Name: EVGSAU Satellite	5		
			2				Incident Number: NAPP2213957732			
							Job Number: 03D2057012			
	LITHOL	OGIC	C / SOIL S	SAMPLING	i LOG		Logged By: CS	Method: Trackhoe		
Coordinates: 3							Hole Diameter: NA	Total Depth: 4'		
							PID for chloride and vapor, res factors included.	pectively. Chloride test		
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions		
D 1,764	0.7	N	PH03	1 1 -	L 0 - - 1 - 1	CCHE	CALICHE, White Grey, No	o stain, no odor		
D 649	0.4	N		-	2	CCHE	CALICHE, brown grey dir	t, no stain, no odor		
D 1,125	0.7	N		-	- - 3 -	CCHE	CALICHE, White Grey, No	o stain, no odor		
D 414	0.8	N	PH03	4 _	- - 4 -	CCHE	CALICHE, White Grey, No	o stain, no odor		
						9 4 feet Refusal)				



APPENDIX B

Photographic Log

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APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 4:22:56 PM

JOB DESCRIPTION

EVGSAU SATELLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3790-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

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Eurofins Carlsbad

Job Notes

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

RAMER

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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: Ensolum	-	Job ID: 890-3790-1
-	/ /GSAU SATELLITE 5	SDG: Lea County NM
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	

MDC Minimum Detectable Concentration (Radiochemistry)

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin) TNTC Too Numerous To Count

between two points

Job ID: 890-3790-1 SDG: Lea County NM

Job ID: 890-3790-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3790-1

Receipt

The samples were received on 1/10/2023 9:05 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 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH01 (890-3790-1) and BH01 (890-3790-2).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-43804 and analytical batch 880-43781 was 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43804/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43788 and analytical batch 880-43922 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.

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5

Job ID: 890-3790-1 SDG: Lea County NM

Client Sample ID: BH01

Project/Site: EVGSAU SATELLITE 5

Date Collected: 01/09/23 09:00 Date Received: 01/10/23 09:05

Client: Ensolum

Lab Sample ID: 890-3790-1 Matrix: Solid

5

Analyte	Organic Comp Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		01/12/23 09:36	01/13/23 03:07	
Toluene	<0.00201	U	0.00201	mg/Kg		01/12/23 09:36	01/13/23 03:07	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/12/23 09:36	01/13/23 03:07	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/12/23 09:36	01/13/23 03:07	
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/12/23 09:36	01/13/23 03:07	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/12/23 09:36	01/13/23 03:07	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130			01/12/23 09:36	01/13/23 03:07	
1,4-Difluorobenzene (Surr)	105		70 - 130			01/12/23 09:36	01/13/23 03:07	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 07:51	
Method: SW846 8015 NM - Diese	Rango Organ	ice (DRO) ((SC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0		50.0	mg/Kg			01/13/23 12:42	
Method: SW846 8015B NM - Dies Analyte		nics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:17	
Discal Dange Organice (Over	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:17	
Diesel Range Organics (Over C10-C28)						04/40/00 44 40	01/13/23 02:17	
	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:17	
C10-C28)	<50.0 %Recovery	U Qualifier	50.0 	mg/Kg		01/12/23 11:42 Prepared	Analyzed	
C10-C28) Oll Range Organics (Over C28-C36)				mg/Kg				Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	%Recovery		Limits	mg/Kg		Prepared	Analyzed	Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane		Qualifier	Limits 70 - 130 70 - 130	mg/Kg		Prepared 01/12/23 11:42	Analyzed 01/13/23 02:17	Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 102 115 s, Ion Chromato	Qualifier	Limits 70 - 130 70 - 130	mg/Kg Unit	D	Prepared 01/12/23 11:42	Analyzed 01/13/23 02:17	Dil Fa

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/23 09:36	01/13/23 05:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/12/23 09:36	01/13/23 05:38	1

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Project/Site: EVGSAU SATELLITE 5

Client Sample Results

Job ID: 890-3790-1 SDG: Lea County NM

Client Sample ID: BH01

Date Collected: 01/09/23 09:10 Date Received: 01/10/23 09:05

Sample Depth: 2

Client: Ensolum

Method: SW846 8021B	- Volatile Orc	anic Compo	unds (GC)	(Continued)

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	103		70 - 130			01/12/23 09:36	01/13/23 05:38	1
Method: TAL SOP Total BTEX - T								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 07:51	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			01/13/23 12:42	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:39	ſ
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:39	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130			01/12/23 11:42	01/13/23 02:39	
o-Terphenyl	113		70 - 130			01/12/23 11:42	01/13/23 02:39	-
Method: MCAWW 300.0 - Anions	. Ion Chromato	oraphy - So	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 890-3790-2 Matrix: Solid

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3790-1 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: Ensolum

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		Ì
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-23427-A-60-D MS	Matrix Spike	106	104		÷,
880-23427-A-60-E MSD	Matrix Spike Duplicate	100	104		
890-3790-1	BH01	109	105		1
890-3790-2	BH01	105	103		
LCS 880-43798/1-A	Lab Control Sample	107	103		
LCSD 880-43798/2-A	Lab Control Sample Dup	107	101		
MB 880-43543/5-A	Method Blank	102	103		
MB 880-43798/5-A	Method Blank	105	103		
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Matrix: Solid				Prep Type: Total/NA	
-				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-3790-1	BH01	102	115		
890-3790-2	BH01	100	113		
890-3804-A-1-F MS	Matrix Spike	96	100		
890-3804-A-1-G MSD	Matrix Spike Duplicate	98	102		
LCS 880-43804/2-A	Lab Control Sample	106	107		
LCSD 880-43804/3-A	Lab Control Sample Dup	122	121		
MB 880-43804/1-A	Method Blank	144 S1+	154 S1+		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

 Lab Sample ID: MB 880-43543/5	-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 43790										Prep Bato	h: 43543
	MB	MB									
Analyte	Result	Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/ŀ	(g		01/0	9/23 12:59	01/12/23 12:39	1
Toluene	<0.00200	U	0.00200		mg/ł	ίg		01/0	9/23 12:59	01/12/23 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/ł	ίg		01/0	9/23 12:59	01/12/23 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/ŀ	ζg		01/0	9/23 12:59	01/12/23 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/ŀ	ίg		01/0	9/23 12:59	01/12/23 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/ŀ	ίg		01/0	9/23 12:59	01/12/23 12:39	1
	МВ	МВ									
Surrogate	%Recovery		Limits					Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130						9/23 12:59	01/12/23 12:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130					01/0	9/23 12:59	01/12/23 12:39	1
Lab Sample ID: MB 880-43798/5	-A								Client Sa	mple ID: Meth	
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 43790										Prep Bato	h: 43798
	MB	MB									
Analyte	Result	-	RL		Unit		D	P	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/ŀ	(g		01/1	2/23 09:36	01/13/23 00:15	1
Toluene	<0.00200	U	0.00200		mg/ł	íg		01/1	2/23 09:36	01/13/23 00:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/ŀ	ίg		01/1	2/23 09:36	01/13/23 00:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/ł	ίg		01/1	2/23 09:36	01/13/23 00:15	1
o-Xylene	<0.00200	U	0.00200		mg/ł	ίg		01/1	2/23 09:36	01/13/23 00:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/ŀ	ίg		01/1	2/23 09:36	01/13/23 00:15	1
	МВ	МВ									
Surrogate	%Recovery		Limits					Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130						2/23 09:36	01/13/23 00:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130					01/1	2/23 09:36	01/13/23 00:15	1
Lab Sample ID: LCS 880-43798/*	I-A						C	Client	Sample	ID: Lab Contro	
Matrix: Solid										Prep Type:	
Analysis Batch: 43790										Prep Bato	h: 43798
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.1072		mg/Kg			107	70 - 130	
Toluene			0.100	0.1006		mg/Kg			101	70 - 130	
Ethylbenzene			0.100	0.09693		mg/Kg			97	70 - 130	
m-Xylene & p-Xylene			0.200	0.2000		mg/Kg			100	70 - 130	
o-Xylene			0.100	0.09693		mg/Kg			97	70 - 130	
	LCS LCS	;									
Surrogate		lifier	Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 - 130								
Lab Sample ID: LCSD 880-43798	8/2-A					CI	ient	t Sam	nple ID: La	ab Control Sar	
Matrix: Solid										Prep Type:	
Analysis Batch: 43790										Prep Bato	h: 43798
			Spike	LCSD	LCSD					%Rec	RPD
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits RF	D Limit
2			0.400						105		a a=

Job ID: 890-3790-1 SDG: Lea County NM

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Benzene

0.1049

mg/Kg

105

70 - 130

0.100

35

2

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Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3790-1 SDG: Lea County NM

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

Lab Sample ID: LCSD 880-4 Matrix: Solid	3798/2-A					Clie	nt Sam	ple ID:	Lab Contro Prep 1	l Sampl ype: To	
Analysis Batch: 43790										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.09922		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.09609		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1987		mg/Kg		99	70 - 130	1	35
o-Xylene			0.100	0.09567		mg/Kg		96	70 - 130	1	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
Lab Sample ID: 880-23427-4	A-60-D MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 43790									Prep	Batch:	437 <mark>9</mark> 8
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	< 0.00200	U	0.0998	0.1076		mg/Kg		108	70 - 130		
Toluene	<0.00200	U	0.0998	0.09829		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.09621		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1987		mg/Kg		100	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09623		mg/Kg		96	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-23427-A-60-E MSD Matrix: Solid

Analysis Batch: 43790

1,4-Difluorobenzene (Surr)

Prep Batch: 43798 Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit D Benzene <0.00200 U 0.101 0.09822 97 70 - 130 9 35 mg/Kg Toluene <0.00200 U 0.101 0.09127 mg/Kg 91 70 - 130 7 35 Ethylbenzene <0.00200 U 0.101 0.08832 mg/Kg 88 70 - 130 9 35 0.202 m-Xylene & p-Xylene <0.00399 U 0.1831 91 70 - 130 35 mg/Kg 8 <0.00200 U 0.101 0.08885 70 - 130 o-Xylene mg/Kg 88 8 35 MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 100

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

104

Lab Sample ID: MB 880-43804/1-A Matrix: Solid Analysis Batch: 43781						Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/12/23 19:44	1
(GRO)-C6-C10								

70 - 130

5

6 7 8

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Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3790-1

SDG: Lea County NM

Lab Sample ID: MB 880-43804	/1 -A								Client Sa	mple ID: N	lethoo	d Blani
Matrix: Solid										Prep Ty		
Analysis Batch: 43781												: 43804
-	l	MB MB										
Analyte	Res	ult Qualifie	r RL		Un	t	D	Ρ	repared	Analyze	d	Dil Fa
Diesel Range Organics (Over	<5	0.0 U	50.0		mg	/Kg	_	01/1	2/23 11:42	01/12/23 19	9:44	
C10-C28)												
Oll Range Organics (Over C28-C36)	<5	0.0 U	50.0		mg	/Kg		01/1	2/23 11:42	01/12/23 19	9:44	
		мв мв										
Surrogate	%Recov		r Limits					P	Prepared	Analyze	d	Dil Fa
1-Chlorooctane		144 S1+	70 - 130						12/23 11:42	01/12/23 1		Diria
o-Terphenyl		154 S1+	70 - 130						12/23 11:42	01/12/23 1		
Lab Sample ID: LCS 880-43804	4/2-A						С	lient	t Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid										Prep Ty	pe: To	otal/N/
Analysis Batch: 43781										Prep I	Batch :	: 43804
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	949.4		mg/Kg			95	70 - 130		
(GRO)-C6-C10												
Diesel Range Organics (Over C10-C28)			1000	934.9		mg/Kg			93	70 - 130		
	LCS I	LCS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	106		70 - 130									
o-Terphenyl	107		70 - 130									
							_				_	
Lab Sample ID: LCSD 880-438	04/3-A					CI	ient	San	nple ID: L	ab Control		
Matrix: Solid										Prep Ty		
Analysis Batch: 43781			0	1.000	1.000						Batch:	: 43804
A			Spike		LCSD	11		_	0/ D	%Rec		RPI
Analyte			Added	914.9	Qualifier			<u>D</u>	91 %	Limits 70 - 130	RPD 4	2
Gasoline Range Organics (GRO)-C6-C10			1000	914.9		mg/Kg			91	70 - 130	4	20
Diesel Range Organics (Over			1000	1075		mg/Kg			108	70 - 130	14	20
C10-C28)												
	LCSD I	000										
Surrogate	%Recovery		Limits									
1-Chlorooctane		zuannei	70 - 130									
o-Terphenyl	122		70 - 130 70 - 130									
			101100									
Lab Sample ID: 890-3804-A-1-	FMS								Client S	Sample ID:	Matrix	k Spike
Matrix: Solid										Prep Ty		
Analysis Batch: 43781											-	: 43804
-	Sample S	Sample	Spike	MS	MS					%Rec		
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	J F2	998	891.6		mg/Kg		_	88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9 l	J	998	983.2		mg/Kg			99	70 - 130		
	MS I	ИS										
Surrogate	%Recovery		Limits									
1-Chlorooctane	96		70 - 130									

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100

o-Terphenyl

70 - 130

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

Lab Sample ID: 890-3804-A-1-G Matrix: Solid									: Matrix Sp Prep 1	Type: To	
Analysis Batch: 43781	Sample	Sample	Spike	MeD	MSD				%Rec	Batch:	43804 RPD
Analyta	Sample	Qualifier	Spike Added			Unit	D	%Rec	Limits	RPD	
Analyte	<49.9				Qualifier		D		70 - 130		Limit
Gasoline Range Organics (GRO)-C6-C10			997	1139	FZ	mg/Kg		113		24	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1082		mg/Kg		109	70 - 130	10	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	102		70 - 130								
Lab Sample ID: MB 880-43788/ Matrix: Solid Analysis Batch: 43922	1-A	МВ МВ						Client S	ample ID: Prep	Method Type: So	
Analyte	B	мв мв esult Qualifier		RL	Unit		D P	repared	Analyz	rod.	Dil Fa
Chloride		5.00 U		.00	0mic mg/K		<u> </u>	repareu	01/13/23		Dirra
			-			5			• • . = •		
Lab Sample ID: LCS 880-43788	/ 2-A						Client	Sample	ID: Lab Co Prep	ontrol Sa Type: So	
										1900.00	orubi
			Spike	LCS	LCS				%Rec	1900.00	olubi
Analysis Batch: 43922			Spike Added		LCS Qualifier	Unit	D	%Rec	-	ijpe. e.	orabi
Analysis Batch: 43922			•			 	<u>D</u>	%Rec 102	%Rec		
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid	18/3-A		Added	Result		mg/Kg		102	%Rec Limits 90 - 110		e Duj
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid	8/3-A		Added	Result 256.1	Qualifier	mg/Kg		102	%Rec Limits 90 - 110 Lab Contro Prep		e Du olubi
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922	18/3-A		Added 250	Result 256.1 LCSD	Qualifier	mg/Kg Clie	ent Sam	102	%Rec Limits 90 - 110 Lab Contro Prep %Rec	ol Sample Type: So	e Duj olubl
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte	18/3-A		Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie Unit		102 aple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits		e Duj olubl RPI Lim
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C			Added 250	Result 256.1 LCSD	Qualifier	mg/Kg Clie	ent Sam	102 ple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	ol Sample Type: So <u>RPD</u> 1 : Matrix	e Du olubi RP Lim 2 Spik
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid			Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie Unit	ent Sam	102 ple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	DI Sample Type: So <u>RPD</u> 1	e Duj olubl RPI Lim 2 Spike
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid			Added 250 Spike Added	Result 256.1 LCSD Result 252.7	Qualifier	mg/Kg Clie Unit	ent Sam	102 ple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	ol Sample Type: So <u>RPD</u> 1 : Matrix	e Duj olubl RPI Lim 2 Spike
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid Analysis Batch: 43922	Sample	Sample Qualifier	Added 250 Spike Added 250	Result 256.1 LCSD Result 252.7	Qualifier LCSD Qualifier	mg/Kg Clie Unit	ent Sam	102 ple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	ol Sample Type: So <u>RPD</u> 1 : Matrix	e Duj olubi RPI Lim 2 Spik
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid Analysis Batch: 43922 Analyte	Sample	Qualifier	Added 250 Spike Added 250 Spike	Result 256.1 LCSD Result 252.7	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg	 	102 ople ID: %Rec 101 Client	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	ol Sample Type: So <u>RPD</u> 1 : Matrix	e Du olubl RP Lim 2 Spik
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid Analyte Chloride Lab Sample ID: 890-3787-A-1-D Matrix: Solid	Sample Result 9260	Qualifier	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	D	102 %Rec 101 Client %Rec 126	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	PI Sample Type: So RPD 1 : Matrix Type: So	e Du olubi RP Lim 2 Spik olubi
Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-D Matrix: Solid	Sample Result 9260	Qualifier	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result 12420	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	D	102 %Rec 101 Client %Rec 126	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	PI Sample Type: So RPD 1 : Matrix Type: So pike Dup	e Du olubi RPI Lim 2 Spik olubi
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4378 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-C Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3787-A-1-D Matrix: Solid Analysis Batch: 43922	Sample Result 9260 MSD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 2510	Result 256.1 LCSD Result 252.7 MS Result 12420	Qualifier LCSD Qualifier MS Qualifier F1	Unit mg/Kg	D	102 %Rec 101 Client %Rec 126	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 0: Matrix Sp Prep	RPD 1 : Matri: Type: 9	ht کا کا

QC Sample Results

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3790-1 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3791-/	A-1-D MS							Client	Sample ID		- C
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 43922											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	2210		1240	3493		mg/Kg		104	90 - 110		
•											
Lab Sample ID: 890-3791-/ Matrix: Solid Analysis Batch: 43922	A-1-E MSD					Cli	ent Sa	ample ID	: Matrix Sp Prep	oike Dup Type: S	
Matrix: Solid	A-1-E MSD Sample	Sample	Spike	MSD	MSD	Cli	ent Sa	ample ID			
Matrix: Solid	Sample	Sample Qualifier	Spike Added		MSD Qualifier	Cli	ent Sa D	ample ID %Rec	Prep		oluble

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QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3790-1 SDG: Lea County NM

GC VOA

Prep Batch: 43543

rep Batch: 43543					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43543/5-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 43790					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	8021B	43798
890-3790-2	BH01	Total/NA	Solid	8021B	43798
MB 880-43543/5-A	Method Blank	Total/NA	Solid	8021B	43543
MB 880-43798/5-A	Method Blank	Total/NA	Solid	8021B	43798
LCS 880-43798/1-A	Lab Control Sample	Total/NA	Solid	8021B	43798
LCSD 880-43798/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43798
880-23427-A-60-D MS	Matrix Spike	Total/NA	Solid	8021B	43798
880-23427-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43798
rep Batch: 43798					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	5035	
890-3790-2	BH01	Total/NA	Solid	5035	
MB 880-43798/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43798/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23427-A-60-D MS	Matrix Spike	Total/NA	Solid	5035	

	onent bample ib	Lich likhe	Wath	Wethou	Fiep Daten
890-3790-1	BH01	Total/NA	Solid	5035	
890-3790-2	BH01	Total/NA	Solid	5035	
MB 880-43798/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43798/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23427-A-60-D MS	Matrix Spike	Total/NA	Solid	5035	
880-23427-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	Total BTEX	
890-3790-2	BH01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 43781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	8015B NM	43804
890-3790-2	BH01	Total/NA	Solid	8015B NM	43804
MB 880-43804/1-A	Method Blank	Total/NA	Solid	8015B NM	43804
LCS 880-43804/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43804
LCSD 880-43804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43804
890-3804-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	43804
890-3804-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43804

Prep Batch: 43804

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	8015NM Prep	
890-3790-2	BH01	Total/NA	Solid	8015NM Prep	
MB 880-43804/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43804/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3804-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3804-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Page 33 of 157

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

GC Semi VOA

Analysis Batch: 43886

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3790-1	BH01	Total/NA	Solid	8015 NM	
890-3790-2	BH01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43788

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-3790-1	BH01	Soluble	Solid	DI Leach		8
890-3790-2	BH01	Soluble	Solid	DI Leach		<u> </u>
MB 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach		0
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
890-3787-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach		
890-3787-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
890-3791-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach		
890-3791-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Batch: 43922						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	13
890-3790-1	BH01	Soluble	Solid	300.0	43788	

Analysis Batch: 43922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	·				_ <u> </u>
890-3790-1	BH01	Soluble	Solid	300.0	43788
890-3790-2	BH01	Soluble	Solid	300.0	43788
MB 880-43788/1-A	Method Blank	Soluble	Solid	300.0	43788
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	300.0	43788
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43788
890-3787-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	43788
890-3787-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43788
890-3791-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	43788
890-3791-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43788

5

Job ID: 890-3790-1

SDG: Lea County NM

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3790-1 SDG: Lea County NM

Lab Sample ID: 890-3790-1 Matrix: Solid

Lab Sample ID: 890-3790-2

Matrix: Solid

Date Collected: 01/09/23 09:00 Date Received: 01/10/23 09:05

Client Sample ID: BH01

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 03:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43860	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43886	01/13/23 12:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43804	01/12/23 11:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43781	01/13/23 02:17	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		5			43922	01/13/23 18:50	СН	EET MID

Client Sample ID: BH01

Γ

Date Collected: 01/09/23 09:10 Date Received: 01/10/23 09:05

)il	Initial	Final	Batch	Prepared

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43798	01/12/23 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/13/23 05:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43860	01/13/23 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43886	01/13/23 12:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43804	01/12/23 11:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43781	01/13/23 02:39	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			43922	01/13/23 18:55	CH	EET MID

Laboratory References:

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

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12 13

ient: Ensolum				Job ID: 890-3
oject/Site: EVGSAU S	SATELLITE 5			SDG: Lea Cour
aboratory: Eurofi	ns Midland			
less otherwise noted, all an	nalytes for this laboratory we	re covered under each acc	reditation/certification below.	
Authority	Pr	ogram	Identification Number	Expiration Date
- Fexas	NE	LAP	ied by the governing authority. This list ma	06-30-23
exas The following analytes a the agency does not offe	re included in this report, buer certification.	LAP	T104704400-22-25 ied by the governing authority. This list ma	06-30-23
The following analytes a the agency does not offer Analysis Method	NE nre included in this report, bu	t the laboratory is not certif	T104704400-22-25 ied by the governing authority. This list ma	06-30-23
exas The following analytes a the agency does not offe	re included in this report, buer certification.	LAP	T104704400-22-25 ied by the governing authority. This list ma	06-30-23

Eurofins Carlsbad

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Method Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3790-1 SDG: Lea County NM

ethod	Method Description	Protocol	Laboratory
)21B	Volatile Organic Compounds (GC)	SW846	EET MID
tal BTEX	Total BTEX Calculation	TAL SOP	EET MID
)15 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
15B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
0.0	Anions, Ion Chromatography	MCAWW	EET MID
35	Closed System Purge and Trap	SW846	EET MID
15NM Prep	Microextraction	SW846	EET MID
_each	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Job ID: 890-3790-1 SDG: Lea County NM

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3790-1	BH01	Solid	01/09/23 09:00	01/10/23 09:05	1
890-3790-2	BH01	Solid	01/09/23 09:10	01/10/23 09:05	2

🛟 eurofins		8.16.1.2.4 A	Environment Testing	sting	Mid	Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Chain of Custody . TX (281) 240-4200. Dallas. TX (214) 90 X (432) 704-5440. San Antonio. TX (210)	10-4200, [5440, San	Sust Vallas, TX Antonio, T	Ddy (214) 902 X (210) 5	-0300 09-3334			Work	Work Order No:	š:			
	Xe	Xenco			王四	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	((915) 58 (575) 392	5-3443, Lu -7550, Cai	lbbock, TX Isbad, NM	(806) 79 (575) 98	4-1296 3-3199			www	www.xenco.com		Page	1 or 1	1
Project Manager:	Hadlie Green				Bill to: (if different)	erent)	Kalei Jennings	ennings						ž	Work Order Comments	er Comr	nents		
Company Name:	Ensolum, LLC				Company Name:	ame:	Ensolum, LLC	m, LLC				Progra	ım: UST/		PRP□ Br	ownfield		Program: UST/PST 🔲 PRP 🗌 Brownfields 🗌 RRC 🗌 Superfund 🗌	Ē
Address:	601 N Marienfeld St Suite 400	ld St Suit	e 400		Address:		601 N N	601 N Marienfeld St Suite 400	d St Suite	400		State	State of Project:	.t]
City, State ZIP:	Midland, TX 79701	701			City, State ZIP:	IP:	Midlanc	Midland, TX 79701	2			Report	ing: Leve] [] []	Reporting: Level III Clevel III PST/UST TRRP	PST/UST			È
Phone:	817.683.2503			Email:	Email: kjennings@ensolum.com	ensolun	n.com					Delive	Deliverables: EDD		AD	ADaPT	Other:	her:	
Project Name:	EVGSAL	EVGSAU Satellite 5	5	Turn	Turn Around					A	ANALYSIS REQUEST	QUEST					Preser	Preservative Codes	
Project Number:	2 D £0	03D2057012		Routine	Rush	Code							-			Non	None: NO	DI Water: H ₂ O	1 ₂ 0
Project Location:	Lea Co	Lea County, NM		Due Date:												Cool	Cool: Cool	MeOH: Me	
Sampler's Name:	Conn	Conner Shore		TAT starts the day received by	day received	by						_			_	HCL	HCL: HC	HNO3: HN	
PO#				the lab, if rece	the lab, if received by 4:30pm	1				_						H20		Nach: Na	
SAMPLE RECEIPT	PT Temp Blank:		No No	Wet Ice:	Yes No											H ₃ Po	H ₃ PO ₄ : HP	5	
Samples Received Intact:	act: Keg		Thermometer ID:	r ID:	Davin	Para										NaH	Narso Naso	SO-	
Couler Clustory Seals.	Tes	-		actor.					• • • •							7 0	notato+N	Zn Acetata+NaOH: Zn	
Total Containers:		0	Corrected Temperature	Corrected Temperature:	200		15)				090-07-0100		-	-	_	NaO	H+Ascol	NaOH+Ascorbic Acid: SAPC	
Sample Identification	tification	Matrix	Date Sampled	Time Sampled	7	Grab/ # of Comp Cont	TPH (80	Chlorid BTEX (Sampl	Sample Comments	
BH01		S 1.	1.9.23	006	1.	G 1	×	××					-	+					
BH01		S 1.	1.9.23	910	<u>ڊ</u>	G 1	×	×					_	_		+	Incid	Incident Number	
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Circle Method(s) and Metal(s) to be analyzed	10 200.8 / 6020: 1d Metal(s) to be an:)20: analyze		TCLP / SPLP	TCLP / SPLP 6010: 8RCRA	8RCRA		ваве BaBe	B Cd Cr	ca cr co Sr Co Cu F	Sb As Ba Be B Cd Cr Co Cu Fe Fo Mg Min M Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	Ni Se	e Ag TI U	7 00	Hg: 163	Na 31/245.	1/7470 /	Hg: 1631/245.1/7470 /7471	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service.	o will be liable only f	ishment of s or the cost o	samples cons if samples an	stitutes a valid p od shall not assu	urchase order me any respon	from client Isibility for	company any losses	to Eurofins	Xenco, Its es incurrec	affiliates a by the cli	nd subcontractor ent if such losses	s. It assign	s standard	terms and ces beyon	d the contro				
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12 13

14

Job Number: 890-3790-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3790 List Number: 1 Creator: Clifton, Cloe

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	

14

Job Number: 890-3790-1 SDG Number: Lea County NM List Source: Eurofins Midland

List Creation: 01/11/23 11:43 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3790 List Number: 2 Creator: Teel, Brianna

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

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

Received by OCD: 2/24/2023 2:35:14 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 6:20:07 PM

JOB DESCRIPTION

EVGSAU SATELLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3789-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Received by OCD: 2/24/2023 2:35:14 PM

Eurofins Carlsbad

Job Notes

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

RAMER

Generated 1/16/2023 6:20:07 PM

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

1

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

Laboratory Job ID: 890-3789-1

SDG: Lea County NM

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Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

	Definitions/Glossary		
Client: Ensolum Project/Site: EV	GSAU SATELLITE 5	Job ID: 890-3789-1 SDG: Lea County NM	2
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		4
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
F2	MS/MSD RPD exceeds control limits		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
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		9
<u></u>			

Glossary		1
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	1
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	

.

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3789-1 SDG: Lea County NM

Job ID: 890-3789-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3789-1

Receipt

The samples were received on 1/10/2023 9:05 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 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH02 (890-3789-1) and BH02 (890-3789-2).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-43804 and analytical batch 880-43781 was 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43804/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43788 and analytical batch 880-43922 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.

RL

0.00200

0.00200

0.00200

0.00401

0.00200

0.00401

Limits

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Job ID: 890-3789-1 SDG: Lea County NM

Client Sample ID: BH02

Project/Site: EVGSAU SATELLITE 5

Date Collected: 01/09/23 13:20 Date Received: 01/10/23 09:05

Sample Depth: 1

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Client: Ensolum

Lab Sample ID: 890-3789-1

Analyzed

01/14/23 02:23

01/14/23 02:23

01/14/23 02:23

01/14/23 02:23

01/14/23 02:23

01/14/23 02:23

Analyzed

Lab Sample ID: 890-3789-2

Matrix: Solid

Matrix: Solid

Dil Fac

1

1

1

1

1

Dil Fac

5

0.0514 ange Organi	culation Qualifier ics (DRO) ((Qualifier	<u>70 - 130</u> 70 - 130 <u>RL</u> 0.00401 <u>GC)</u>	<mark>Unit</mark> mg/Kg	<u>D</u>	01/11/23 12:26 01/11/23 12:26 Prepared	01/14/23 02:23 01/14/23 02:23 Analyzed 01/16/23 16:58	1 1 Dil Fac 1
al BTEX Calo Result 0.0514 ange Organi Result	Culation Qualifier nics (DRO) (1 Qualifier	- <u>RL</u> 0.00401	mg/Kg	<u>D</u>		Analyzed	1 Dil Fac 1
Result 0.0514 ange Organ Result	Qualifier tics (DRO) (Qualifier	0.00401	mg/Kg	<u> </u>	Prepared		Dil Fac
Result 0.0514 ange Organ Result	Qualifier tics (DRO) (Qualifier	0.00401	mg/Kg	<u> </u>	Prepared		Dil Fac
ange Organ Result	i <mark>cs (DRO) (</mark> Qualifier	GC)				01/16/23 16:58	1
Result	Qualifier						
Result	Qualifier						
<49.9			Unit	D	Prepared	Analyzed	Dil Fac
	U	49.9	mg/Kg			01/13/23 12:42	1
_							
Range Orga							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg		01/12/23 11:42	01/13/23 01:32	1
<49.9	U	49.9	mg/Kg		01/12/23 11:42	01/13/23 01:32	1
<49.9	U	49.9	mg/Kg		01/12/23 11:42	01/13/23 01:32	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
105		70 - 130			01/12/23 11:42	01/13/23 01:32	1
120		70 - 130			01/12/23 11:42	01/13/23 01:32	1
- Chromoty							
			Unit	р	Prenared	Analyzed	Dil Fac
							1
	<49.9 <49.9 %Recovery 105 120 on Chromato	<49.9 U <49.9 U %Recovery Qualifier 105 120 on Chromatography - So Result Qualifier	<49.9	<49.9	<49.9	<49.9	<49.9

Prepared

01/11/23 12:26

01/11/23 12:26

01/11/23 12:26

01/11/23 12:26

01/11/23 12:26

01/11/23 12:26

Prepared

D

Client Sample ID: BH02 Date Collected: 01/09/23 13:25

Date Received: 01/10/23 09:05

Sample Depth: 2

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/11/23 12:26	01/14/23 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			01/11/23 12:26	01/14/23 02:50	1

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Result Qualifier

Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

<0.00401 U

0.0514

0.0514

%Recovery

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

Released to Imaging: 3/7/2023 2:51:14 PM

Project/Site: EVGSAU SATELLITE 5

Client Sample Results

Job ID: 890-3789-1 SDG: Lea County NM

Lab Sample ID: 890-3789-2

Client Sample ID: BH02

Date Collected: 01/09/23 13:25 Date Received: 01/10/23 09:05

Sample Depth: 2

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130			01/11/23 12:26	01/14/23 02:50	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/16/23 16:58	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/13/23 12:42	1
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 01:54	·
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
(GRO)-C6-C10	50.0		50.0					
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 01:54	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/13/23 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130			01/12/23 11:42	01/13/23 01:54	
o-Terphenyl	116		70 - 130			01/12/23 11:42	01/13/23 01:54	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		5.03	mg/Kg			01/13/23 18:45	1

Matrix: Solid

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Client: Ensolum Project/Site: EVGSAU SATELLITE 5

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

-				Percent Surrogate Recovery (Acceptance Limits)	4
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3783-A-1-A MS	Matrix Spike	97	104		
890-3783-A-1-B MSD	Matrix Spike Duplicate	80	88		6
890-3789-1	BH02	97	78		
890-3789-2	BH02	110	95		7
LCS 880-43732/1-A	Lab Control Sample	104	103		
LCSD 880-43732/2-A	Lab Control Sample Dup	90	94		8
MB 880-43732/5-A	Method Blank	71	89		U
Surrogate Legend					9

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	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
-3789-1	BH02	105	120	
3789-2	BH02	100	116	
3804-A-1-F MS	Matrix Spike	96	100	
04-A-1-G MSD	Matrix Spike Duplicate	98	102	
0-43804/2-A	Lab Control Sample	106	107	
) 880-43804/3-A	Lab Control Sample Dup	122	121	
880-43804/1-A	Method Blank	144 S1+	154 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Prep Type: Total/NA

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0.00400

0.00200

0.00400

m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Method: 8021B - Volatile Org

Method: 8021B - Volatile Organ	ic Compo	ounds (GC)						
Lab Sample ID: MB 880-43732/5-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Analysis Batch: 43878 Prop Ratch: 43732									4
Analysis Batch: 43878	МВ	МВ					Prep Batch	n: 43732	5
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/13/23 17:05	1	6
Toluene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/13/23 17:05	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:26	01/13/23 17:05	1	5

mg/Kg

mg/Kg

mg/Kg

	МВ	MB	
Surrogate	%Recovery		Limits
4-Bromofluorobenzene (Surr)	71		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

<0.00400 U

<0.00200 U

<0.00400 U

Lab Sample ID: LCS 880-43732/1-A Matrix: Solid

Analysis Batch: 43878

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2280		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130	

	LCS		
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-43732/2-A

Matrix: Solid

Analysis Batch: 43878							Prep	Batch:	43732
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08286		mg/Kg		83	70 - 130	25	35
Toluene	0.100	0.07825		mg/Kg		78	70 - 130	31	35
Ethylbenzene	0.100	0.08311		mg/Kg		83	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.1720		mg/Kg		86	70 - 130	28	35
o-Xylene	0.100	0.08557		mg/Kg		86	70 - 130	23	35

	LUSD	LUSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-3783-A-1-A MS

Matrix: Solid alvoia Datak . 40070

Analysis Batch: 43878									Prep E	Batch: 43732
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.0998	0.09041		mg/Kg		91	70 - 130	
Toluene	<0.00202	U	0.0998	0.08508		mg/Kg		85	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Job ID: 890-3789-1

SDG: Lea County NM

01/13/23 17:05

01/13/23 17:05

Analyzed

01/13/23 17:05

Prep Batch: 43732

Prep Type: Total/NA

01/11/23 12:26 01/13/23 17:05

01/11/23 12:26 01/13/23 17:05

Client Sample ID: Lab Control Sample Dup

01/11/23 12:26 01/11/23 12:26

Prepared

01/11/23 12:26

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MS MS

0.08917

0.1833

0.08757

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.0998

0.200

0.0998

Limits

70 - 130

70 - 130

70 - 130

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Lab Sample ID: 890-3783-A-1-A MS

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 43878

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Sample Sample

< 0.00202

<0.00403 U

<0.00202 U

%Recovery

Result Qualifier

U

MS MS

97

104

88

Qualifier

Job ID: 890-3789-1 SDG: Lea County NM

Prep Type: Total/NA

Prep Batch: 43732

Pren Batch: 43732

Client Sample ID: Matrix Spike

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

89

92

88

D

7

Client Sample II	D: Matrix	Spike D	uplicate
	Pre	p Type: 1	Total/NA

Matrix: Solid Analysis Batch: 43878

Lab Sample ID: 890-3783-A-1-B MSD

Analysis Datch. 40070									i iep	Daten.	40/02	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	< 0.00202	U	0.100	0.08380		mg/Kg		83	70 - 130	8	35	
Toluene	<0.00202	U	0.100	0.07632		mg/Kg		76	70 - 130	11	35	i
Ethylbenzene	<0.00202	U	0.100	0.08294		mg/Kg		83	70 - 130	7	35	
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1702		mg/Kg		85	70 - 130	7	35	i
o-Xylene	<0.00202	U	0.100	0.07939		mg/Kg		79	70 - 130	10	35	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	80		70 - 130									

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

Lab Sample ID: MB 880-43804/1-A Matrix: Solid Analysis Batch: 43781	A					Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/12/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/12/23 19:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 11:42	01/12/23 19:44	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130			01/12/23 11:42	01/12/23 19:44	1
o-Terphenyl	154	S1+	70 - 130			01/12/23 11:42	01/12/23 19:44	1
Lab Sample ID: LCS 880-43804/2-	A				c	lient Sample I	D: Lab Control	Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 43781 Prep Batch: 43804 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 95 70 - 130 Gasoline Range Organics 949.4 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 934.9 mg/Kg 93 70 - 130

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C10-C28)

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

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

Lab Sample ID: LCS 880-438	804/2-A						Client	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 43781									Prep	Batch:	43804
	LCS	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	107		70 - 130								
Lab Sample ID: LCSD 880-4	3804/3-A					Clier	nt San	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 43781									Prep	Batch:	43804
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	914.9		mg/Kg		91	70 - 130	4	20
(GRO)-C6-C10			1000	1075		malla		100	70 120	14	20
Diesel Range Organics (Over C10-C28)			1000	1075		mg/Kg		108	70 - 130	14	20
010-020)											
		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	121		70 - 130								
Lab Sample ID: 890-3804-A-	1-E MS							Client	Sample ID	• Matrix	Sniko
Matrix: Solid								Chem			
Analysis Batch: 43781										ype: To Batch:	
Analysis Datch. 45701	Sample	Sample	Spike	MS	MS				%Rec	Datch.	43004
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U F2	998	891.6	quantor	mg/Kg		88	70 - 130		
(GRO)-C6-C10		0.2		00110					10-100		
Diesel Range Organics (Over	<49.9	U	998	983.2		mg/Kg		99	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	100		70 - 130								
Lab Sample ID: 890-3804-A-	1-G MSD					CI	ient Sa	ample IC): Matrix Sp	oike Dup	licate
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 43781									Prep	Batch:	43804
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U F2	997	1139	F2	mg/Kg		113	70 - 130	24	20
(GRO)-C6-C10			~~~					100	70 /00		
Diesel Range Organics (Over	<49.9	U	997	1082		mg/Kg		109	70 - 130	10	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								

5

70 - 130

Project/Site: EVGSAU SATELLITE 5

Client: Ensolum

QC Sample Results

Job ID: 890-3789-1 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43788/1-A Matrix: Solid											Client S	ample ID: Prep	Method Type: S	
Analysis Batch: 43922														
		MB	МВ											
Analyte	Re	esult	Qualifier		RL		Uni	it	D	P	repared	Analy	zed	Dil Fac
Chloride	<	5.00	U		5.00		mg	/Kg				01/13/23	17:28	1
Lab Sample ID: LCS 880-43788/2-A									Cli	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 43922														
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride				250		256.1		mg/Kg		_	102	90 _ 110		
Lab Sample ID: LCSD 880-43788/3-	Α							CI	ient S	am	ple ID: I	Lab Contro	ol Samp	le Dur
Matrix: Solid													Type: S	
Analysis Batch: 43922														
-				Spike		LCSD	LCSD					%Rec		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride				250		252.7		mg/Kg		_	101	90 - 110	1	20
Lab Sample ID: 890-3787-A-1-C MS											Client	Sample ID): Matrix	Spike
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 43922														
	Sample	Samp	ole	Spike		MS	MS					%Rec		
Analyte	Result	Quali	fier	Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride	9260	F1		2510		12420	F1	mg/Kg		_	126	90 - 110		
Lab Sample ID: 890-3787-A-1-D MS	D								Client	t Sa	ample ID	: Matrix S	pike Du	plicate
Matrix: Solid											•		Type: S	
Analysis Batch: 43922														
-	Sample	Samp	ole	Spike		MSD	MSD					%Rec		RPI
Analyte	Result	Quali	fier	Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi

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QC Association Summary

Prep Type

Total/NA

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

Total/NA

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Client Sample ID

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

BH02

BH02

BH02

BH02

Prep Batch: 43732

Lab Sample ID

MB 880-43732/5-A

LCS 880-43732/1-A

890-3783-A-1-A MS

Lab Sample ID

MB 880-43732/5-A

LCS 880-43732/1-A

890-3783-A-1-A MS

LCSD 880-43732/2-A

890-3783-A-1-B MSD

890-3789-1

890-3789-2

890-3783-A-1-B MSD

Analysis Batch: 43878

LCSD 880-43732/2-A

890-3789-1

890-3789-2

Method

5035

5035

5035

5035

5035

5035

5035

Method

8021B

8021B

8021B

8021B

8021B

8021B

8021B

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Job ID: 890-3789-1

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Prep Batch

Prep Batch

43732

43732

43732

43732

43732

43732

43732

SDG: Lea County NM

4
5
6
8
9

Analysis Batch: 44092

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3789-1	BH02	Total/NA	Solid	Total BTEX	
890-3789-2	BH02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 43781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3789-1	BH02	Total/NA	Solid	8015B NM	43804
890-3789-2	BH02	Total/NA	Solid	8015B NM	43804
MB 880-43804/1-A	Method Blank	Total/NA	Solid	8015B NM	43804
LCS 880-43804/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43804
LCSD 880-43804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43804
890-3804-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	43804
890-3804-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43804

Prep Batch: 43804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3789-1	BH02	Total/NA	Solid	8015NM Prep	
890-3789-2	BH02	Total/NA	Solid	8015NM Prep	
MB 880-43804/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43804/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3804-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3804-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3789-1	BH02	Total/NA	Solid	8015 NM	
890-3789-2	BH02	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

HPLC/IC

Leach Batch: 43788

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3789-1	BH02	Soluble	Solid	DI Leach	
890-3789-2	BH02	Soluble	Solid	DI Leach	
MB 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-3787-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3787-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

890-3789-1	BH02	Soluble	Solid	DI Leach		
890-3789-2	BH02	Soluble	Solid	DI Leach		5
MB 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach		
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach		6
_CSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
890-3787-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach		
390-3787-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		-
						8
nalysis Batch: 43922						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	9
890-3789-1	BH02	Soluble	Solid	300.0	43788	
390-3789-2	BH02	Soluble	Solid	300.0	43788	
MB 880-43788/1-A	Method Blank	Soluble	Solid	300.0	43788	
_CS 880-43788/2-A	Lab Control Sample	Soluble	Solid	300.0	43788	
.CSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43788	
890-3787-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	43788	
890-3787-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43788	
						13

Job ID: 890-3789-1 SDG: Lea County NM

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3789-1 SDG: Lea County NM

Lab Sample ID: 890-3789-1 Matrix: Solid

Lab Sample ID: 890-3789-2

Matrix: Solid

Client Sample ID: BH02 Date Collected: 01/09/23 13:20 Date Received: 01/10/23 09:05

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			4.99 g	5 mL	43732	01/11/23 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 02:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44092	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43885	01/13/23 12:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43804	01/12/23 11:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43781	01/13/23 01:32	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			43922	01/13/23 18:39	СН	EET MID

Client Sample ID: BH02

Date Collected: 01/09/23 13:25 Date Received: 01/10/23 09:05

	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	43732	01/11/23 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44092	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43885	01/13/23 12:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43804	01/12/23 11:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43781	01/13/23 01:54	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			43922	01/13/23 18:45	СН	EET MID

Laboratory References:

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

5 6 9

12 13

Accreditation/Certification Summary

10

Job ID: 890-3789-1 SDG: Lea County NM

Laboratory: Eurofins Midland

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

ithority Pr		rogram	Identification Number	Expiration Date
as	N	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, bi	ut the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for \
the agency does not of Analysis Method		Matrix	Analyte	
the agency does not of Analysis Method 8015 NM	fer certification . Prep Method	Matrix Solid	Analyte Total TPH	

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3789-1 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	MCAWW	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
SW846 =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	•	
EET MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Protocol References:

Laboratory References:

-1 Μ

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID:	890-378	39-
SDG: Lea	County	N١

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	_
890-3789-1	BH02	Solid	01/09/23 13:20	01/10/23 09:05	1	4
890-3789-2	BH02	Solid	01/09/23 13:25	01/10/23 09:05	2	
						5
						6
						7
						8
						9
						12
						13

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		SUDEC.UI.				1/1			- J
e) Received by: (Signature)	Relinquished by: (Signature)	Date/Time		e)	by: (Signature)	Received by:	ure)	by: (Signat	Relinquished by: (Signature)
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	co, its affiliates and subcontractors. I curred by the client if such losses are enco, but not analyzed. These terms v	ompany to Eurofins Xenc y losses or expenses in submitted to Eurofins Xe	ty for ar sample	hase order from any responsibili ge of \$5 for each	titutes a valid purc d shall not assume project and a chan	of samples cons st of samples and applied to each	nd relinquishment ble only for the cos le of \$85.00 will be	is document a anco will be lla ninimum charg	Notice: Signature of th of service. Eurofins X: of Eurofins Xenco. A r
i Se Ag Ti U Hg: 1631 / 245.1 / /4/U	TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Sb As Ba Be Co	CRA	P 6010: 8R	TCLP / SPL	zed	s) to be analy;	and Metal	Circle Method(s) and Metal(s) to be analyzed
K Se A	Cd Ca Cr Co Cu Fe Pb M	Sb As Ba Be B C	AI S	A Texas 11	BRCRA 13PPM	18	200.8 / 6020:		Total 200.7 / 6010
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							V	2	
							X)	
					\- -				
					21:6				
					é		-		
		× × ×		G	1325 2'	1.9.23	S	BH02	Bł
		x x x		G	1320 1'	1.9.23	S	BH02	Bł
		TPH (8 Chloric BTEX (# of Cont	Depth Grab/ Comp	Time Sampled D	Date Sampled	Matrix	Sample Identification	Sample Id
-	-	les		9.6	imperature:	Corrected Temperature:			Total Containers:
3789 Chain of Custody	890-3789 Chai	1)		ର ଜ	Reading:	Temperature Reading:	Yes No MAN		Sample Custody Seals:
			Pa	-0.2		Correction Factor:	Yes No NIA		Cooler Custody Seals:
			arar	TV NOGT	1	Thermometer ID:	Xde No		Samples Received Intact:
			nete	Yes No	Wet Ice:	Kes) NO	Temp Blank:	5	SAMPLE RECEIPT
			rs	ed by 4:30pm	the lab, if received by 4:30pm				PO#
				ty received by	TAT starts the day received by		Conner Shore		Sampler's Name:
					Due Date:		Lea County, NM		Project Location:
			Code	Rush	Routine	2	03D2057012		Project Number:
JEST	ANALYSIS REQUEST			ound	Turn Around	lite 5	EVGSAU Satellite		Project Name:
Deliverables: EDD L ADaPT L		<u>com</u>	solum.	Email: kjennings@ensolum.com	Email: kje		2503	817.683.2503	Phone:
Reporting: Level II Clevel III PST/UST TRRP		Midland, TX 79701		City, State ZIP:	C		Midland, TX 79701	Midland.	City, State ZIP:
State of Project:		601 N Marienfeld St Suite 400		Address:	Ac	uite 400	601 N Marienfeld St Suite 400	601 N N	Address:
Program: UST/PST 🗌 PRP 🗌 Brownfields 🗌 RRC 🗌		Ensolum, LLC		Company Name:	Q		ı, LLC	Ensolum, LLC	Company Name:
Work Order Comments		Kalei Jennings		Bill to: (if different)	Bi		ireen	Hadlie Green	Project Manager:
www.xenco.com	d, NM (575) 988-3199	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	s, NM (5	Hobbs					
	ck, TX (806) 794-1296	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	ISO, TX (EL Pa			Xenco		
Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	2) 704-5440, San Anto	I, TX (43	Midland	Sting	Environment Testing	Enviror	(· · · · · · · · · · · · · · · · · · ·	
	s. TX (214) 902-0300	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	ton, TX	Hous				ofins	eurofins

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Chain of Custody

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3789 List Number: 1 Creator: Clifton, Cloe

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: 890-3789-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Eurofins Carlsbad Released to Imaging: 3/7/2023 2:51:14 PM

14

Job Number: 890-3789-1 SDG Number: Lea County NM List Source: Eurofins Midland

List Creation: 01/11/23 11:43 AM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 3789 List Number: 2 Creator: Teel, Brianna

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

Received by OCD: 2/24/2023 2:35:14 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 6:24:03 PM

JOB DESCRIPTION

EVGSAU SATELLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3794-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Received by OCD: 2/24/2023 2:35:14 PM

Eurofins Carlsbad

Job Notes

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

RAMER

Generated 1/16/2023 6:24:03 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

SDG: Lea County NM

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	Definitions/Glossary	
Client: Ensolum		ī
Project/Site: EV	/GSAU SATELLITE 5 SDG: Lea County NM	
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	ł
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		i
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 Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive

QC Quality Control RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Released to Imaging: 3/7/2023 2:51:14 PM

Project/Site: EVGSAU SATELLITE 5

4

5

Job ID: 890-3794-1 SDG: Lea County NM

Job ID: 890-3794-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3794-1

Receipt

The sample was received on 1/10/2023 9:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6° C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH01 (890-3794-1), (LCSD
880-43908/3-A), (MB 880-43908/1-A) and (890-3793-A-1-C). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Job ID: 890-3794-1 SDG: Lea County NM

Lab Sample ID: 890-3794-1

Client Sample ID: PH01

Project/Site: EVGSAU SATELLITE 5

Date Collected: 01/09/23 09:45 Date Received: 01/10/23 09:05

Sample Depth: 1

Client: Ensolum

Chloride

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

	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/11/23 12:47	01/14/23 09:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/11/23 12:47	01/14/23 09:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/11/23 12:47	01/14/23 09:32	1
- Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/16/23 16:58	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH		Qualifier		Unit mg/Kg	D	Prepared	Analyzed 01/16/23 16:51	Dil Fac
Analyte Total TPH	Result <49.8	Qualifier U	RL 49.8		<u> </u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	RL 49.8		<u>D</u> 	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier U nics (DRO) Qualifier	(GC)	mg/Kg		<u>`</u>	01/16/23 16:51	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga Result	Qualifier U Qualifier Qualifier U	(GC)	mg/Kg Unit		Prepared	01/16/23 16:51 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U Qualifier U U U	RL 49.8 (GC) RL 49.8	mg/Kg Unit mg/Kg		Prepared 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 12:11	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8	Qualifier U Qualifier U U U	RL 49.8 (GC) RL 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 12:11 01/15/23 12:11	1 <u>Dil Fac</u> 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.8	Qualifier U Qualifier U U U	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08	O1/16/23 16:51 Analyzed 01/15/23 12:11 01/15/23 12:11 01/15/23 12:11	1 Dil Fac 1 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.8	Qualifier U Qualifier U U U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 Prepared	01/16/23 16:51 Analyzed 01/15/23 12:11 01/15/23 12:11 01/15/23 12:11 Analyzed	1 Dil Fac 1 1 1 2 <i>Dil Fac</i>
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.8	Qualifier U Qualifier U U U Qualifier S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 29.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 Prepared 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 12:11 01/15/23 12:11 01/15/23 12:11 Analyzed 01/15/23 12:11	1 Dil Fac 1 1 1 1 Dil Fac 1

24.9

mg/Kg

4880

Eurofins Carlsbad

01/13/23 19:50

5

Matrix: Solid

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Lab Sample ID Client Sample ID (70-130) (70-130) 890-3791-A-1-A MS Matrix Spike 116 95 890-3791-A-1-B MSD Matrix Spike Duplicate 111 96 890-3794-1 PH01 103 90 LCS 880-43735/1-A Lab Control Sample 105 102 LCSD 880-43735/2-A Lab Control Sample Dup 106 105 MB 880-43732/5-A Method Blank 71 89 MB 880-43735/5-A Method Blank 75 90 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		
Client Sample ID	(70-130)	(70-130)		1
Matrix Spike	92	100		- 27
Matrix Spike Duplicate	96	107		
PH01	128	139 S1+		
Lab Control Sample	111	127		
Lab Control Sample Dup	110	132 S1+		
Method Blank	167 S1+	203 S1+		
	Matrix Spike Matrix Spike Duplicate PH01 Lab Control Sample Lab Control Sample Dup	Matrix Spike92Matrix Spike Duplicate96PH01128Lab Control Sample111Lab Control Sample Dup110	Matrix Spike 92 100 Matrix Spike Duplicate 96 107 PH01 128 139 S1+ Lab Control Sample 111 127 Lab Control Sample Dup 110 132 S1+	Matrix Spike 92 100 Matrix Spike Duplicate 96 107 PH01 128 139 S1+ Lab Control Sample 111 127 Lab Control Sample Dup 110 132 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-3794-1 SDG: Lea County NM

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Prep Type: Total/NA

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43732/5-A								Client Sa	imple ID: Metho	
Matrix: Solid									Prep Type:	
Analysis Batch: 43878	м	З МВ							Prep Batc	h: 43732
Analyta	Resu		RL		Unit		D	Bronarod	Analyzod	Dil Fac
Analyte Benzene	<0.0020		0.00200		0111 mg/k	ία.	_	Prepared 01/11/23 12:26	Analyzed 01/13/23 17:05	1
Toluene	<0.0020		0.00200		mg/k	-		01/11/23 12:26	01/13/23 17:05	י 1
Ethylbenzene	<0.0020		0.00200					01/11/23 12:26	01/13/23 17:05	1
					mg/k					
m-Xylene & p-Xylene	<0.0040		0.00400		mg/k	-		01/11/23 12:26 01/11/23 12:26	01/13/23 17:05	1
o-Xylene	<0.0020		0.00200		mg/k	-		01/11/23 12:26	01/13/23 17:05	1
Xylenes, Total	<0.0040	5 0	0.00400		mg/k	.g		01/11/23 12.20	01/13/23 17:05	I
	M	в МВ								
Surrogate	%Recover		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	7	1	70 - 130					01/11/23 12:26	01/13/23 17:05	1
1,4-Difluorobenzene (Surr)	8	9	70 - 130					01/11/23 12:26	01/13/23 17:05	1
Lab Sample ID: MB 880-43735/5-A								Client Sa	mple ID: Metho	od Blank
Matrix: Solid								onent of	Prep Type:	
Analysis Batch: 43878									Prep Batc	
Analysis Datch. 43070	м	3 MB							Fiep Date	11. 457 55
Analyte	Resu		RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.00200		0	a	-	01/11/23 12:47	01/14/23 06:48	1
Toluene	<0.0020		0.00200		mg/k	-		01/11/23 12:47	01/14/23 06:48	1
Ethylbenzene	<0.0020		0.00200		mg/k	-		01/11/23 12:47	01/14/23 06:48	1
m-Xylene & p-Xylene	<0.0040		0.00400		mg/k			01/11/23 12:47	01/14/23 06:48	1
o-Xylene	<0.0020		0.00200		mg/K	-		01/11/23 12:47	01/14/23 06:48	1
Xylenes, Total	<0.0040		0.00400		mg/K	-		01/11/23 12:47	01/14/23 06:48	1
					Ū					
Surrogate	M Recover%		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	7011000001		70 - 130					01/11/23 12:47	01/14/23 06:48	1
1,4-Difluorobenzene (Surr)	9		70 - 130					01/11/23 12:47	01/14/23 06:48	1
-										
Lab Sample ID: LCS 880-43735/1-A							C	Client Sample	ID: Lab Control	
Matrix: Solid									Prep Type:	
Analysis Batch: 43878									Prep Batc	h: 43735
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits	
Benzene			0.100	0.1102		mg/Kg		110	70 - 130	
Toluene			0.100	0.09645		mg/Kg		96	70 - 130	
Ethylbenzene			0.100	0.09590		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene			0.200	0.1983		mg/Kg		99	70 - 130	
o-Xylene			0.100	0.09743		mg/Kg		97	70 - 130	
	LCS LC	s								
Surrogate %R		alifier	Limits							
4-Bromofluorobenzene (Surr)	105		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							
						_				
Lab Sample ID: LCSD 880-43735/2-A	•					CI	ient	t Sample ID: La	ab Control Sam	
Matrix: Solid									Prep Type:	
Analysis Batch: 43878									Prep Batc	
			Spike		LCSD				%Rec	RPD
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits RP	D Limit

5

Job ID: 890-3794-1 SDG: Lea County NM

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9

Benzene

0.1207

mg/Kg

121

70 - 130

0.100

35

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3794-1 SDG: Lea County NM

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

Lab Sample ID: LCSD 880-4 Matrix: Solid	3735/2-A					Clie	nt San	ple ID:	Lab Contro Pren T	I Sampl ype: To	
Analysis Batch: 43878										Batch:	
			Spike	LCSD	LCSD				%Rec	Baton.	RPI
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.1052		mg/Kg		105	70 - 130	9	3
Ethylbenzene			0.100	0.1064		mg/Kg		106	70 - 130	10	3
m-Xylene & p-Xylene			0.200	0.2215		mg/Kg		111	70 - 130	11	3
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130	11	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Lab Sample ID: 890-3791-A-	1 A MS							Client	Sample ID	Motrix	Spike
Matrix: Solid								Client		ype: To	
Analysis Batch: 43878										Batch:	
Analysis Batch. 43070	Sample	Sample	Spike	MS	MS				%Rec	Datch.	4373;
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201		0.101	0.1038		mg/Kg		103	70 - 130		
Toluene	< 0.00201	U	0.101	0.09117		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08880		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	< 0.00402		0.202	0.1824		mg/Kg		90	70 - 130		
o-Xylene	<0.00201	U	0.101	0.08945		mg/Kg		89	70 - 130		
	MS	MS									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)			70 - 130								

Lab Sample ID: 890-3791-A-1-B MSD Matrix: Solid Analysis Batch: 43878

1,4-Difluorobenzene (Surr)

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA Prep Batch: 43735

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.08711		mg/Kg		88	70 - 130	17	35
Toluene	<0.00201	U	0.0990	0.07304		mg/Kg		74	70 - 130	22	35
Ethylbenzene	<0.00201	U	0.0990	0.07264		mg/Kg		73	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1486		mg/Kg		75	70 - 130	20	35
o-Xylene	<0.00201	U	0.0990	0.07570		mg/Kg		76	70 - 130	17	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								

70 - 130

70 - 130

1,4-Difluorobenzene (Surr)

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

95

96

Lab Sample ID: MB 880-43908/1-A Matrix: Solid Analysis Batch: 43947	мв	МВ				Client Sa	Prep Type: 1	ID: Method Blank ep Type: Total/NA rep Batch: 43908		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 13:08	01/15/23 08:29	1		
(GRO)-C6-C10										

5

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Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3794-1

SDG: Lea County NM

Lab Sample ID: MB 880-43908/1	i-A								Client S	ample ID: Me	thod	Blank
Matrix: Solid										Prep Typ	e: Tot	al/N/
Analysis Batch: 43947										Prep Ba		
-		мв	МВ									
Analyte	Re	sult	Qualifier	RL		Unit		D	Prepared	Analyzed		Dil Fac
Diesel Range Organics (Over		50.0	U	50.0		mg/k	(g	01/	13/23 13:08	01/15/23 08:2	29	1
C10-C28)												
Oll Range Organics (Over C28-C36)	</td <td>50.0</td> <td>U</td> <td>50.0</td> <td></td> <td>mg/k</td> <td>(g</td> <td>01/</td> <td>13/23 13:08</td> <td>01/15/23 08:2</td> <td>29</td> <td>1</td>	50.0	U	50.0		mg/k	(g	01/	13/23 13:08	01/15/23 08:2	29	1
		ΜВ	мв									
Surrogate	%Reco			Limits					Prepared	Analyzed		Dil Fac
1-Chlorooctane		167	S1+	<u></u>					/13/23 13:08			
o-Terphenyl			S1+	70 <u>-</u> 130					/13/23 13:08			
o-reiphenyi		200	571	10-150				01/	15/25 15.00	01/10/20 00.2	2.5	
Lab Sample ID: LCS 880-43908	/ 2-A							Clien	t Sample	ID: Lab Cont	rol Sa	ample
Matrix: Solid										Prep Typ		
Analysis Batch: 43947										Prep Ba		
				Spike	LCS	LCS				%Rec		
Analyte				Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics				1000	1045		mg/Kg		105	70 - 130		
(GRO)-C6-C10							5 5					
Diesel Range Organics (Over				1000	972.8		mg/Kg		97	70 - 130		
C10-C28)												
	LCS	LCS										
Surrogate	%Recovery	Qua	lifier	Limits								
1-Chlorooctane	111			70 - 130								
o-Terphenyl	127			70 - 130								
Matrix: Solid Analysis Batch: 43947				Spike	LCSD	LCSD				Prep Typ Prep Ba %Rec		
Analyte				Added		Qualifier	Unit	D	%Rec			Limit
Gasoline Range Organics					Result					Limits	RPD	
				1000	1027	quamor	mg/Kg		103	Limits 70 - 130	RPD 2	20
(GRO)-C6-C10						quamor	mg/Kg					20
Diesel Range Organics (Over						duino	mg/Kg mg/Kg					
Diesel Range Organics (Over	LCSD	LCS	D	1000	1027				103	70 - 130	2	
Diesel Range Organics (Over C10-C28)	LCSD %Recovery			1000	1027				103	70 - 130	2	20 20
	LCSD %Recovery 110			1000	1027				103	70 - 130	2	
Diesel Range Organics (Over C10-C28) Surrogate	%Recovery	Qua		1000 1000 <i>Limits</i>	1027				103	70 - 130	2	
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery 110	Qua		1000 1000 <i>Limits</i> 70 - 130	1027				103	70 - 130	2	
C10-C28) Surrogate 1-Chlorooctane	%Recovery 110 132	Qua		1000 1000 <i>Limits</i> 70 - 130	1027				98	70 - 130	1	20
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 110 132	Qua		1000 1000 <i>Limits</i> 70 - 130	1027				98	70 - 130 70 - 130	2 1	20 Spike
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D	%Recovery 110 132	Qua		1000 1000 <i>Limits</i> 70 - 130	1027				98	70 - 130 70 - 130 Sample ID: M	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid	%Recovery 110 132	Qua S1+	ifier	1000 1000 <i>Limits</i> 70 - 130	1027 981.4	MS			98	70 - 130 70 - 130 Sample ID: M Prep Typ	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid	%Recovery 110 132 MS	Qual S1+	lifier _	1000 1000 <u>Limits</u> 70 - 130 70 - 130	1027 981.4 MS				98	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics	%Recovery 110 132 MS Sample	Qual S1+ Sam Qual	lifier _	1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike	1027 981.4 MS	MS	mg/Kg		103 98 Client	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba %Rec	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 110 132 MS Sample Result	Qual S1+ Sam Qual U	lifier _	1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added	1027 981.4 MS Result	MS	mg/Kg		103 98 Client	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba %Rec Limits	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 110 132 MS Sample Result <49.9	Qua S1+ Sam Qual U	lifier _	1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added 998	1027 981.4 MS Result 872.4	MS	mg/Kg		103 98 Client %Rec 85	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba %Rec Limits 70 - 130	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 110 132 MS Sample Result <49.9 <49.9 MS	Qual S1+ Sam Qual U U	lifier	1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added 998	1027 981.4 MS Result 872.4	MS	mg/Kg		103 98 Client %Rec 85	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba %Rec Limits 70 - 130	1 atrix e: Tot	20 Spike al/NA
Diesel Range Organics (Over C10-C28) <i>Surrogate</i> 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-A-1-D Matrix: Solid Analysis Batch: 43947	%Recovery 110 132 MS Sample Result <49.9	Qual S1+ Sam Qual U U	lifier	1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added 998	1027 981.4 MS Result 872.4	MS	mg/Kg		103 98 Client %Rec 85	70 - 130 70 - 130 Sample ID: M Prep Typ Prep Ba %Rec Limits 70 - 130	1 atrix e: Tot	20 Spike al/NA

100

o-Terphenyl

70 - 130
Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid	-1-E MSD): Matrix S	ріке Бир Туре: То	
Analysis Batch: 43947											
Analysis Balcii. 43947	Sample	Samplo	Spike	MSD	MSD				%Rec	Batch:	43900 RPD
Analuto		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Analyte Gasoline Range Organics			997	901.5	Quaimer				70 - 130	3	2
(GRO)-C6-C10	\$49.9	0	997	901.5		mg/Kg		00	70 - 130	3	2
Diesel Range Organics (Over	<49.9	U	997	1119		mg/Kg		111	70 - 130	8	2
C10-C28)						0 0					
	MSD	MCD									
Surrogata		MSD Qualifier	Limits								
Surrogate 1-Chlorooctane	% <i>Recovery</i> 96	Quanner	70 - 130								
o-Terphenyl	90 107		70 - 130 70 - 130								
			10-100								
ethod: 300.0 - Anions,	Ion Chromat	ography									
Lab Sample ID: MB 880-437	788/1- A							Client S	ample ID:	Method	Blan
Matrix: Solid									Prep	Type: S	olubl
Analysis Batch: 43922											
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		<u>D</u> <u>P</u>	repared	Analyz	zed	Dil Fa
Chloride	<	5.00 U		5.00	mg/K	g			01/13/23	17:28	
Lab Sample ID: LCS 880-43	788/2-4						Client	Sample	ID: Lab C	ontrol S	ampl
Lab Sample ID. LOS 000-45											
Matrix: Solid										Type: S	
Matrix: Solid			Spike	LCS	LCS						
Matrix: Solid Analysis Batch: 43922			Spike Added		LCS Qualifier	Unit	D	%Rec	Prep		
Matrix: Solid Analysis Batch: 43922 Analyte Chloride						Unit mg/Kg		-	Prep %Rec		
Matrix: Solid Analysis Batch: 43922 Analyte Chloride			Added	Result		mg/Kg	<u>D</u>	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4			Added	Result		mg/Kg	<u>D</u>	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid			Added	Result		mg/Kg	<u>D</u>	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid			Added	Result 256.1	Qualifier	mg/Kg	<u>D</u>	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S	olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922			Added 250 -	Result 256.1 LCSD	Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S ol Sampl Type: S	olubi le Du olubi RP
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte			Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie	<u>D</u>	%Rec 102 ple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	Type: S DI Sampl Type: S RPD	olubi le Du olubi RP Lim
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte			Added 250 -	Result 256.1 LCSD	Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S ol Sampl Type: S	olubi le Du olubi RP Lim
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride			Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102 ple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S <u>RPD</u> 1	olubi le Du olubi RP Lim 2
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-			Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102 ple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S ol Sampl Type: S <u></u> 1 : Matrix	olubi e Du olubi RP Lim 2 Spik
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid			Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102 ple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S DI Sampl Type: S <u>RPD</u> 1	olubi e Du olubi RP Lim 2 Spik
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride	43788/3-A 		Added 250 Spike Added 250	Result 256.1 LCSD Result 252.7	Qualifier LCSD Qualifier	mg/Kg Clie	D_ ent Sam	%Rec 102 ple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	Type: S ol Sampl Type: S <u></u> 1 : Matrix	olubi e Duj olubi RPI Lim 2 Spika
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid Analysis Batch: 43922	43788/3-A -1-D MS Sample	-	Added 250 Spike Added 250 Spike	Result 256.1 LCSD Result 252.7 MS	Qualifier LCSD Qualifier MS	Unit mg/Kg	D ent Sam D	%Rec 102 ple ID: %Rec 101 Client	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	Type: S ol Sampl Type: S <u></u> 1 : Matrix	olubi e Duj olubi RPI Lim 2 Spika
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid Analysis Batch: 43922 Analyte	43788/3-A -1-D MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result	Qualifier LCSD Qualifier	mg/Kg Clie Unit mg/Kg Unit	D_ ent Sam	%Rec 102 ple ID: %Rec 101 Client	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits	Type: S ol Sampl Type: S <u></u> 1 : Matrix	olubi e Duj olubi RPI Lim 2 Spika
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Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid Analysis Batch: 43922 Analyte Chloride	43788/3-A -1-D MS 	-	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result	Qualifier LCSD Qualifier MS	Unit mg/Kg	D ent Sam D	%Rec 102 ple ID: %Rec 101 Client %Rec 104	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S RPD 1 C: Matrix Type: S	olubl e Du olubl RP Lim 2 Spik olubl
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Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid	43788/3-A -1-D MS 	-	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result	Qualifier LCSD Qualifier MS	Unit mg/Kg	D ent Sam D	%Rec 102 ple ID: %Rec 101 Client %Rec 104	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S RPD 1 C: Matrix Type: S	olubl e Du olubl RP Lim 2 Spik olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid	43788/3-A -1-D MS 	Qualifier	Added 250 Spike Added 250 Spike Added 1240	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS	Unit mg/Kg	D ent Sam D	%Rec 102 ple ID: %Rec 101 Client %Rec 104	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S <u> RPD </u> 1 D: Matrix Type: S pike Dup	olubl e Du olubl RP Lim 2 Spik olubl olubl olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A- Matrix: Solid	43788/3-A -1-D MS Sample Result 2210 -1-E MSD Sample	Qualifier	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	D ent Sam D	%Rec 102 ple ID: %Rec 101 Client %Rec 104	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 0: Matrix Sp Prep	Type: S DI Sampl Type: S <u> RPD </u> 1 D: Matrix Type: S pike Dup	olubl e Du olubl RP Lim 2 Spik olubl

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3794-1

SDG: Lea County NM

GC VOA

Prep Batch: 43732

ep Batch: 43732					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43732/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 43735					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3794-1	PH01	Total/NA	Solid	5035	
MB 880-43735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3791-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-3791-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3794-1	PH01	Total/NA	Solid	8021B	43735
	Method Blank	Total/NA	Solid	8021B	43732
MB 880-43735/5-A	Method Blank	Total/NA	Solid	8021B	43735
MB 880-43735/5-A LCS 880-43735/1-A	Method Blank Lab Control Sample	Total/NA Total/NA	Solid Solid	8021B 8021B	43735 43735
MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A	Method Blank Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA Total/NA	Solid Solid Solid	8021B 8021B 8021B	43735 43735 43735
890-3791-A-1-A MS	Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8021B 8021B 8021B 8021B	43735 43735 43735 43735 43735
MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A	Method Blank Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA Total/NA	Solid Solid Solid	8021B 8021B 8021B	43735 43735 43735
MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A 890-3791-A-1-A MS 890-3791-A-1-B MSD	Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8021B 8021B 8021B 8021B	43735 43735 43735 43735
MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A 890-3791-A-1-A MS	Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8021B 8021B 8021B 8021B	43735 43735 43735 43735

GC Semi VOA

Prep Batch: 43908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3794-1	PH01	Total/NA	Solid	8015NM Prep	
MB 880-43908/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43908/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3793-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3793-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3794-1	PH01	Total/NA	Solid	8015B NM	43908
MB 880-43908/1-A	Method Blank	Total/NA	Solid	8015B NM	43908
LCS 880-43908/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43908
LCSD 880-43908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43908
890-3793-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43908
890-3793-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43908
Analysis Batch: 44059					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3794-1	PH01	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

HPLC/IC

Leach Batch: 43788

b Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
0-3794-1	PH01	Soluble	Solid	DI Leach	
B 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach	
S 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	I
SD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
0-3791-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	ī
0-3791-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Lab Sample ID **Client Sample ID** Prep Type Matrix Method Prep Batch 890-3794-1 PH01 Soluble 300.0 Solid 43788 MB 880-43788/1-A Method Blank Soluble Solid 300.0 43788 LCS 880-43788/2-A Lab Control Sample Soluble Solid 300.0 43788 LCSD 880-43788/3-A Lab Control Sample Dup Soluble Solid 300.0 43788 Soluble 890-3791-A-1-D MS Matrix Spike Solid 300.0 43788 Soluble 43788 890-3791-A-1-E MSD Matrix Spike Duplicate Solid 300.0

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Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3794-1 SDG: Lea County NM

Lab Sample ID: 890-3794-1 Matrix: Solid

Date Collected: 01/09/23 09:45 Date Received: 01/10/23 09:05

Client Sample ID: PH01

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			4.99 g	5 mL	43735	01/11/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 09:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44097	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44059	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43908	01/13/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43947	01/15/23 12:11	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		5			43922	01/13/23 19:50	СН	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Job ID: 890-3794-1 SDG: Lea County NM

Laboratory: Eurofins Midland

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

uthority		rogram	Identification Number	Expiration Date
as	N	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report h	ut the leheratory is not cortif	ad by the generalized outbority. This list was	u include enclutes for u
the agency does not of	fer certification.	·	ed by the governing authority. This list ma	ay include analytes for w
the agency does not of Analysis Method	•	Matrix	Analyte	
the agency does not of	fer certification.	·		

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3794-1 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	MCAWW	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
SW846 =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed = TestAmerica Laboratories, Standard Operating Procedure		
	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Protocol References:

Laboratory References:

Sample Summary

Job ID: 890-3794-1 SDG: Lea County NM

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3794-1	PH01	Solid	01/09/23 09:45	01/10/23 09:05	1

Received by OCD: 2/24/2023 2:35:14|PM

🔹 eurofins		Environment Testing	ting	Ho	uston, T	Chain of Custoqy Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	T Cu	ISTOQ IS, TX (214)	902-0300		٤	Work Order No:	er No:			
	Xenco	-	1		^D aso, TX	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	43, Lubbo	ck, TX (806	794-1296						7	2
				Hob	bs, NM	Hobbs, NM (575) 392-7550, Carisbad, NM (575) 988-3199	0, Carlsba	id. NM (575)	988-3199			www.xenco.com	co.com	Page	1-	
Project Manager:	Hadlie Green			Bill to: (if different)	int)	Kalei Jennings	sBu					Work	Order Co	Work Order Comments		
	Ensolum, LLC		-	Company Name:	le:	Ensolum, LLC	6			Progra	Program: UST/PST 🗌 PRP 🗌 Brownfields 🗍 RRC 🗌		Brown	fields 🗌 R		Superfund
	601 N Marienfeld St Suite 400	Suite 400		Address:		601 N Marienfeld St Suite 400	enfeld St	Suite 400		State o	State of Project:]
e ZIP:	Midland, TX 79701			City, State ZIP:		Midland, TX 79701	(79701			Reportii	Reporting: Level II CLevel III PST/UST CTRRP	Level II	I 🗌 PST/			
	817.683.2503		Email:	Email: kjennings@ensolum.com	nsolun	1.com				Delivera	Deliverables: EDD		ADaPT		Other:	
Project Name:	EVGSAU Satellite	ellite 5	Turn	Turn Around					ANALYSIS REQUEST	QUEST				Prese	Preservative Codes	odes
Project Number:	03D2057012	12	Routine	🗌 Rush	Pres.								L	None: NO	DIV	DI Water: H ₂ O
Project Location:	Lea County, NM		Due Date:										_	Cool: Cool	Me	MeOH: Me
Sampler's Name:	Conner Shore		TAT starts the	TAT starts the day received by	-									HCL: HC	HN	HNO3: HN
PO 弗			the lab, if received	ived by 4:30pm									_	H ₂ S0 ₄ : H ₂	Nat	NaCH: Na
SAMPLE RECEIPT	oT Temp Blank:	(es) No	Wet Ice:	Vyes No	nete									H3PO4: HP		
Samples Received Intact:	1	Thermometer ID:	rib:	とれのの	ran								_	NaHSO4: NABIS	ABIS	
Cooler Custody Seals:	Yes No	Correction Factor:	actor:	- 0.2	Pa									Na ₂ S ₂ O ₃ : NaSO ₃	aSO_3	
Sample Custody Seals:	S: Yes NO NA	Temperature Reading:	Reading:	ව ~	1)		890-3794 Chaii	94 Chain of Custody	Ϋ́Ρ			Zn Acetate+NaOH: Zn	+NaOH: Zi	5
Total Containers:		Corrected Temperature:	mperature:	9.0	1		802		_	-	_	_		NaOH+ASCOLDIC ACID. SAFC		OAFC
Sample Identification	ification Matrix			Depth Grab/ Comp	p Cont	TPH (8) Chlorid	BTEX (Sam	Sample Comments	nents
PH01	S	1.9.23	945	1' G	-	×	×									
														Inci	Incident Number	nber
			22											NAP	NAPP2213957732	7732
		<i>e</i> .			+							-				
				-+	-+			-								
					-											
					\vdash											
Total 200.7 / 6010	10 200.8 / 6020:		BRCRA 13PPM	PM Texas 11	1 AI SU	Sh As Ba Sh As Ra	Be B o	cd Ca C		o Mg Mn Mo Ni Se Aa Ti	Mo Ni K	Se /	SiO ₂ Na 1: 1631 / 2	Ag SiO ₂ Na Sr TI Sn L Ha: 1631/245.1/7470	n U V Zn 70 / 7471	2
Notice: Signature of this d of service. Eurofins Xence of Functions Xence - A minute	Vincie Internol(s) and Interacts) to be an aryzed in our formation of the output of th	nt of samples cons ost of samples and	titutes a valid put of shall not assurate the second and a characteristic second as the second secon	utes a valid purchase order from client shall not assume any responsibility for a oliert and a charge of \$5 for each sample	om client bility for a	company to Eurofins Xenco, its affiliates and sub inviouses or expenses incurred by the client if su inviouses or expenses incurred by the client if su submitted to Eurofins Xenco, but not analyzed.	rofins Xen (penses ir Eurofins X	co, its affiliat curred by th enco, but not	es and subcontractor e client if such losses analyzed. These tem	contractors. It assigns standard ich losses are due to circumstanc These terms will be enforced unle	ontractors. It assigns standard terms and conditions ich losses are due to circumstances beyond the control These terms will be enforced unless previously negotiated	ns and cond beyond the previously n	litions control egotiated.			
Relinquished by: (Signature)	(Signature)) Received by:	l by: (Signature)	ure)		Date/Time	_	Relinqu	Relinquished by: (Signature)	ature)	Rece	Received by: (Signature)	Signature	(e	Date/	Date/Time
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3		(1.10	10.23 (AK 4									
5					-		6							Revis	sed Date: 08/25/	Revised Date: 08/25/2020 Rev. 2020 2

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1/16/2023

Chain of Custody

14

Job Number: 890-3794-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3794 List Number: 1 Creator: Clifton, Cloe

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	

14

Job Number: 890-3794-1 SDG Number: Lea County NM

List Source: Eurofins Midland

List Creation: 01/11/23 12:47 PM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 3794 List Number: 2 Creator: Teel, Brianna

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 6:24:03 PM

JOB DESCRIPTION

EVGSAU SATILLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3793-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

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Eurofins Carlsbad

Job Notes

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

RAMER

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

1

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

Laboratory Job ID: 890-3793-1 SDG: Lea County NM

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2

	Definitions/Glossary	1
Client: Ensolum	Job ID: 890-3793-1 /GSAU SATILLITE 5 SDG: Lea County NM	2
Qualifiers		3
GC VOA Qualifier	Qualifier Description	Δ
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier S1+	Qualifier Description Surrogate recovery exceeds control limits, high biased.	6
U	Surrogate recovery exceeds control limits, high blased. Indicates the analyte was analyzed for but not detected.	0
		5
HPLC/IC Qualifier	Qualifier Description	
	Indicates the analyte was analyzed for but not detected.	0
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)	
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

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Job ID: 890-3793-1 SDG: Lea County NM

Job ID: 890-3793-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Project/Site: EVGSAU SATILLITE 5

Narrative

Job Narrative 890-3793-1

Receipt

The sample was received on 1/10/2023 9:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: PH01 (890-3793-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH01 (890-3793-1), (LCSD 880-43908/3-A) and (MB 880-43908/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Job ID: 890-3793-1 SDG: Lea County NM

Matrix: Solid

Lab Sample ID: 890-3793-1

Client Sample ID: PH01

Project/Site: EVGSAU SATILLITE 5

Date Collected: 01/09/23 09:50 Date Received: 01/10/23 09:05

Sample Depth: 2

Client: Ensolum

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/11/23 12:47	01/14/23 09:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			01/11/23 12:47	01/14/23 09:05	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/11/23 12:47	01/14/23 09:05	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			01/16/23 16:58	1
		ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte	el Range Organ	<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	Qualifier			<u>D</u>	Prepared	Analyzed 01/16/23 16:51	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9	Qualifier U	RL 49.9	Unit	<u> </u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.9 sel Range Orga	Qualifier U	RL 49.9	Unit	<u>D</u> 	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Organ Result <49.9 sel Range Orga	Qualifier U nics (DRO) Qualifier	(GC)	Unit mg/Kg		<u>.</u>	01/16/23 16:51	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC) RL	Unit mg/Kg Unit		Prepared	01/16/23 16:51 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 11:05	1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 11:05 01/15/23 11:05	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 11:05 01/15/23 11:05 01/15/23 11:05	1 Dil Fac 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 <49.9 <49.9 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <700 <70 <7	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 Prepared	01/16/23 16:51 Analyzed 01/15/23 11:05 01/15/23 11:05 01/15/23 11:05 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <49.9 Sel Range Orga Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <109 135 	Qualifier U nics (DRO) Qualifier U U U Qualifier S1+	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 01/13/23 13:08 Prepared 01/13/23 13:08	01/16/23 16:51 Analyzed 01/15/23 11:05 01/15/23 11:05 01/15/23 11:05 Analyzed 01/15/23 11:05	1 Dil Fac 1 1 1 1 Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	781		5.00	mg/Kg			01/13/23 19:44	

1

Project/Site: EVGSAU SATILLITE 5

Job ID: 890-3793-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: Ensolum

				Percent Surrogate Recovery (Acceptance Limits)	4
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3791-A-1-A MS	Matrix Spike	116	95		
890-3791-A-1-B MSD	Matrix Spike Duplicate	111	96		6
890-3793-1	PH01	92	85		_
LCS 880-43735/1-A	Lab Control Sample	105	102		
LCSD 880-43735/2-A	Lab Control Sample Dup	106	105		
MB 880-43732/5-A	Method Blank	71	89		8
MB 880-43735/5-A	Method Blank	75	90		
Surrogate Legend					9
BFB = 4-Bromofluorobe	nzene (Surr)				

4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	12
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		13
890-3793-1	PH01	109	135 S1+		
890-3793-1 MS	PH01	92	100		
890-3793-1 MSD	PH01	96	107		
LCS 880-43908/2-A	Lab Control Sample	111	127		
LCSD 880-43908/3-A	Lab Control Sample Dup	110	132 S1+		
MB 880-43908/1-A	Method Blank	167 S1+	203 S1+		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

SDG: Lea County NM

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43732/5-A								Client S	ample ID: Metho	
Matrix: Solid									Prep Type:	
Analysis Batch: 43878	м	в мв							Prep Batc	n: 43/32
Analyte		It Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.00200		mg/ł		_	01/11/23 12:26	01/13/23 17:05	1
Foluene	< 0.0020		0.00200		mg/ł	-		01/11/23 12:26	01/13/23 17:05	1
Ethylbenzene	< 0.0020		0.00200		mg/ł	-		01/11/23 12:26	01/13/23 17:05	1
n-Xylene & p-Xylene	< 0.0040		0.00400		mg/ł			01/11/23 12:26	01/13/23 17:05	1
p-Xylene	<0.0040		0.00400		mg/l			01/11/23 12:26	01/13/23 17:05	1
Kylenes, Total	<0.0020		0.00200		mg/ł	-		01/11/23 12:26	01/13/23 17:05	1
	0.0010		0.00100		iiig/i	(g		01/11/2012:20	01/10/20 11:00	
- <i>· · · · · · · · · ·</i>	M									
Surrogate	%Recover		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		1	70 - 130					01/11/23 12:26	01/13/23 17:05	1
1,4-Difluorobenzene (Surr)	8	9	70 - 130					01/11/23 12:26	01/13/23 17:05	1
Lab Sample ID: MB 880-43735/5-A								Client S	ample ID: Metho	od Blank
Matrix: Solid									Prep Type:	
Analysis Batch: 43878									Prep Batc	
	м	B MB							Top Date	
Analyte	Resu		RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.00200		mg/ł		-	01/11/23 12:47	01/14/23 06:48	1
Toluene	< 0.0020		0.00200		mg/ł			01/11/23 12:47	01/14/23 06:48	1
Ethylbenzene	<0.0020		0.00200		mg/ł			01/11/23 12:47	01/14/23 06:48	1
	<0.0020		0.00200					01/11/23 12:47	01/14/23 06:48	
m-Xylene & p-Xylene	<0.0040		0.00400		mg/ł	-		01/11/23 12:47	01/14/23 06:48	1
o-Xylene			0.00200		mg/ł	-		01/11/23 12:47	01/14/23 06:48	1
Xylenes, Total	<0.0040	0 0	0.00400		mg/ł	νg		01/11/23 12:47	01/14/23 00:46	I
	М							_		
Surrogate	%Recover		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		5	70 - 130					01/11/23 12:47	01/14/23 06:48	1
1,4-Difluorobenzene (Surr)	ç	0	70 - 130					01/11/23 12:47	01/14/23 06:48	1
Lab Sample ID: LCS 880-43735/1-A							c	Client Sample	ID: Lab Control	Sample
Matrix: Solid									Prep Type:	
Analysis Batch: 43878									Prep Batc	
,, ,			Spike	LCS	LCS				%Rec	
Analyte			Added		Qualifier	Unit		D %Rec	Limits	
Benzene			0.100	0.1102		mg/Kg		$-\frac{1}{2}$ $\frac{110}{110}$ $-\frac{110}{110}$	70 - 130	
Toluene			0.100	0.09645		mg/Kg		96	70 - 130	
Ethylbenzene			0.100	0.09590		mg/Kg		96	70 - 130	
			0.200	0.1983		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene			0.200	0.09743				99 97	70 - 130	
o-Xylene			0.100	0.09743		mg/Kg		97	70 - 130	
	LCS LC	s								
	Recovery Q	alifier	Limits							
4-Bromofluorobenzene (Surr)	105		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							
ah Sampla ID: CSD 880-43735/2	٨					C	ion	Sample ID: I	ab Control San	
Lab Sample ID: LCSD 880-43735/2-/							1611	Sample ID: L	ab Control San	
Matrix: Solid									Prep Type:	
Analysis Batch: 43878			Calify	1.000	1.000				Prep Batc	
A 1. 4-			Spike		LCSD				%Rec	RPD
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits RP	D Limit

5

Job ID: 890-3793-1 SDG: Lea County NM

Benzene

0.1207

mg/Kg

121

70 - 130

0.100

35

9

Eurofins Carlsbad

Client: Ensolum Project/Site: EVGSAU SATILLITE 5

Job ID: 890-3793-1 SDG: Lea County NM

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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

Lab Sample ID: LCSD 880-4	3735/2-A					Clie	nt San	nple ID:	Lab Contro		
Matrix: Solid									Prep T	ype: Tot	tal/NA
Analysis Batch: 43878									Prep	Batch:	43735
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.1052		mg/Kg		105	70 - 130	9	35
Ethylbenzene			0.100	0.1064		mg/Kg		106	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2215		mg/Kg		111	70 - 130	11	35
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130	11	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Lab Sample ID: 890-3791-A-	1-A MS							Client	Sample ID:	: Matrix	Spike
Matrix: Solid										ype: Tot	
Analysis Batch: 43878										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201	U	0.101	0.1038		mg/Kg		103	70 - 130		
Toluene	<0.00201	U	0.101	0.09117		mg/Kg		90	70 _ 130		
Ethylbenzene	<0.00201	U	0.101	0.08880		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1824		mg/Kg		90	70 - 130		
	<0.00201	U	0.101	0.08945		mg/Kg		89	70 - 130		
o-Xylene											
o-Xylene	MS	MS									
o-Xylene Surrogate	MS %Recovery		Limits								

Lab Sample ID: 890-3791-A-1-B MSD Matrix: Solid

Analysis Batch: 43878

1,4-Difluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Prep Batch: 43735 MSD MSD %Rec RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit D Benzene <0.00201 U 0.0990 0.08711 88 70 - 130 17 35 mg/Kg Toluene <0.00201 U 0.0990 0.07304 mg/Kg 74 70 - 130 22 35 Ethylbenzene <0.00201 U 0.0990 0.07264 mg/Kg 73 70 - 130 20 35 0.198 0.1486 m-Xylene & p-Xylene <0.00402 U 75 70 - 130 20 35 mg/Kg <0.00201 U 0.0990 0.07570 70 - 130 o-Xylene mg/Kg 76 17 35 MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 111

70 - 130

70 - 130

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

95

96

Lab Sample ID: MB 880-43908/1-A Matrix: Solid Analysis Batch: 43947						Client Sa	mple ID: Metho Prep Type: ∃ Prep Batcł	Fotal/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 13:08	01/15/23 08:29	1
(GRO)-C6-C10								

5

6 7 8

Client: Ensolum Project/Site: EVGSAU SATILLITE 5 Job ID: 890-3793-1 SDG: Lea County NM

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

Lab Sample ID: MB 880-43908/1 Matrix: Solid								Chefit	ample ID: I		
										ype: To Retaby	
Analysis Batch: 43947	ME	B MB							Prep	Batch:	43908
Analyte		t Qualifier	RL		Unit		D	Prepared	Analyz	ed	Dil Fac
Diesel Range Organics (Over	<50.0		50.0		mg/K	a		01/13/23 13:08			1
C10-C28)		-				5					-
Oll Range Organics (Over C28-C36)	<50.0) U	50.0		mg/K	g		01/13/23 13:08	01/15/23 (08:29	1
	МЕ	3 MB									
Surrogate	%Recovery		Limits					Prepared	Analyz	ed	Dil Fac
1-Chlorooctane			70 - 130				-	01/13/23 13:08			1
o-Terphenyl	203	3 S1+	70 - 130					01/13/23 13:08	3 01/15/23	08:29	1
Lab Sample ID: LCS 880-43908/	/ 2-A						Cli	ient Sample			
Matrix: Solid										ype: To	
Analysis Batch: 43947										Batch:	43908
			Spike		LCS				%Rec		
Analyte			Added		Qualifier	Unit		D %Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1045		mg/Kg		105	70 - 130		
Diesel Range Organics (Over			1000	972.8		mg/Kg		97	70 - 130		
C10-C28)						3.13		0.			
	LCS LC	c									
Surrogate		alifier	Limits								
		annei	Linits								
			70 - 130								
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390	111 127		70 - 130 70 - 130			Cli	ent S	Sample ID:			
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid	111 127		70 - 130			Cli	ent S	Sample ID:	Prep T Prep	l Samp ype: To Batch:	tal/NA 43908
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947	111 127		70 - 130 Spike		LCSD		ent S	-	Prep T Prep %Rec	ype: To Batch:	tal/NA 43908 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte	111 127		70 - 130 Spike Added	Result	LCSD Qualifier	Unit	ent \$ 	D %Rec	Prep T Prep %Rec Limits	ype: To Batch: RPD	43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics	111 127		70 - 130 Spike				ent \$	-	Prep T Prep %Rec	ype: To Batch:	tal/NA 43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10	111 127		70 - 130 Spike Added	Result		Unit	ent {	D %Rec	Prep T Prep %Rec Limits	ype: To Batch: RPD	43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	111 127		70 - 130 Spike Added 1000	Result 1027		- <mark>Unit</mark> mg/Kg	ent \$ 	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 2	tal/NA 43908 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	111 127		70 - 130 Spike Added 1000	Result 1027		- <mark>Unit</mark> mg/Kg	ent \$	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 2	43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	111 127 18/3-A		70 - 130 Spike Added 1000	Result 1027		- <mark>Unit</mark> mg/Kg	ent \$	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 2	tal/NA 43908 RPE <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	111 127 18/3-A		70 - 130 Spike Added 1000	Result 1027		- <mark>Unit</mark> mg/Kg	ent \$	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 2	43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCSD LC %Recovery Qu	alifier	70 - 130 Spike Added 1000 1000 Limits	Result 1027		- <mark>Unit</mark> mg/Kg	ent \$	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 2	43908 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	LCSD LC %Recovery Qu 110	alifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1027		- <mark>Unit</mark> mg/Kg	'ent \$ 	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 2 1	43908 43908 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS	LCSD LC %Recovery Qu 110	alifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1027		- <mark>Unit</mark> mg/Kg		<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130 70 - 130	Type: To Batch: RPD 2 1 1 nple ID:	43908 RPC Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid	LCSD LC %Recovery Qu 110	alifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1027		- <mark>Unit</mark> mg/Kg		<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPE Limi 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid	111 127 8/3-A <i>LCSD LC</i> %Recovery Qu 110 132 S1-	alifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130	Result 1027 981.4	Qualifier	- <mark>Unit</mark> mg/Kg		<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: RPD 2 1 1 nple ID:	tal/NA 43908 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947	LCSD LC %Recovery Qu 110	alifier + nple	70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1027 981.4 MS		- <mark>Unit</mark> mg/Kg	ent {	<u>D</u> <u>%Rec</u> 103	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPC Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte	111 127 8/3-A <i>LCSD LC</i> %Recovery Qu 110 132 S1 Sample Sat	alifier + nple	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130 70 - 130 Spike	Result 1027 981.4 MS	Qualifier	mg/Kg	ent { 	D %Rec 103 98	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPE Limi 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics	111 127 8/3-A <i>LCSD LC</i> %Recovery Qu 110 132 S1 132 S1 Sample Sau Result Qu	alifier + nple	70 - 130 Spike Added 1000 1000 1000 1000 1000 5pike Added Spike Added	Result 1027 981.4 MS Result	Qualifier	Unit mg/Kg mg/Kg		D %Rec 103 98 D %Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPE Limi 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	111 127 8/3-A <i>LCSD LC</i> %Recovery Qu 110 132 S1 132 S1 Sample Sau Result Qu	alifier + nple	70 - 130 Spike Added 1000 1000 1000 1000 1000 5pike Added Spike Added	Result 1027 981.4 MS Result	Qualifier	Unit mg/Kg mg/Kg		D %Rec 103 98 D %Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Ini Ini 111 127 18/3-A LCSD LC %Recovery Qu 110 132 S1 Sample Saa Result Qu <49.9	alifier + nple	70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 50 - 130 70 - 130 70 - 130 Spike Added 998	Result 1027 981.4 MS Result 872.4	Qualifier	Unit mg/Kg mg/Kg	ent {	D %Rec 103 98 98 D %Rec 85	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPC Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10	Ini Ini 111 127 18/3-A LCSD LC %Recovery Qu 110 132 S1 Sample Saa Result Qu <49.9	alifier + nple alifier	70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 50 - 130 70 - 130 70 - 130 Spike Added 998	Result 1027 981.4 MS Result 872.4	Qualifier	Unit mg/Kg mg/Kg	ent {	D %Rec 103 98 98 D %Rec 85	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	III 111 127 18/3-A B/3-A Sample 132 Sample Result Qu <49.9	alifier + nple alifier	70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 Spike Added 998 998 Limits	Result 1027 981.4 MS Result 872.4	Qualifier	Unit mg/Kg mg/Kg	ent {	D %Rec 103 98 98 D %Rec 85	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4390 Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3793-1 MS Matrix: Solid Analysis Batch: 43947 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	III 111 127 18/3-A B/3-A Sample 132 Sample Result Qu <49.9	alifier + nple alifier	70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 50 - 130 70 - 130 70 - 130 998 998 998	Result 1027 981.4 MS Result 872.4	Qualifier	Unit mg/Kg mg/Kg	ent (D %Rec 103 98 98 D %Rec 85	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 2 1 nple ID: Type: To	tal/NA 43908 RPD Limit 20 20 20

Job ID: 890-3793-1 SDG: Lea County NM

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

										Client Sa	mple ID	: PH01
Matrix: Solid										Prep	Type: To	otal/NA
Analysis Batch: 43947										Prep	Batch:	43908
	Sample	Sample	Spike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	901.5		mg/Kg			88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1119		mg/Kg			111	70 - 130	8	20
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	96		70 - 130									
o-Terphenyl	107		70 - 130									
lethod: 300.0 - Anions, Io Lab Sample ID: MB 880-43788 Matrix: Solid		ography							Client S	Sample ID: Prep	Method Type: S	
Analysis Batch: 43922		MB MB										
Analyte	P	esult Qualifier		RL	Unit		D	ь.	epared	Analy	700	Dil Fa
Chloride		5.00 U		5.00	mg/Kg	~	<u> </u>	FI	epareu			DIIFa
Analysis Batch: 43922			Spike	LCS	LCS					%Rec		
										/01100		
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
			Added 250			Unit mg/Kg		<u>D</u>	%Rec 102			
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid	788/3-A			Result		mg/Kg	ent S		102	Limits 90 - 110 Lab Contro	ol Samp Type: S	
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid	788/3 -A			Result 256.1		mg/Kg	ent S		102	Limits 90 - 110 Lab Contro		Solubl
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922	788/3-A		250	Result 256.1 LCSD	Qualifier	mg/Kg	ent S		102	Limits 90 - 110 Lab Contro Prep		Soluble RPI
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte	788/3 -A		250 Spike	Result 256.1 LCSD	Qualifier	mg/Kg	ent S	Sam	102	Limits 90 - 110 Lab Contro Prep %Rec	Type: S	RPI Lim
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid			250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Cli	ent \$	Sam	102 ple ID: %Rec 101	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S	RPI Limi 20 x Spike
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid			250 Spike Added	Result 256.1 LCSD Result 252.7	Qualifier	mg/Kg Cli	ent \$	Sam	102 ple ID: %Rec 101	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S <u>RPD</u> 1 2: Matrix	RPI Limi 20 C Spike
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid Analysis Batch: 43922	-D MS Sample	Sample Qualifier	250 Spike Added 250	Result 256.1 LCSD Result 252.7	Qualifier LCSD Qualifier	mg/Kg Cli		Sam	102 ple ID: %Rec 101	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	Type: S <u>RPD</u> 1 2: Matrix	RPE Limi 20 C Spike
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid Analysis Batch: 43922 Analyte	-D MS Sample	-	250 Spike Added 250 Spike	Result 256.1 LCSD Result 252.7	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent \$	D	102 ple ID: %Rec 101 Client	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample IE Prep %Rec	Type: S <u>RPD</u> 1 2: Matrix	RPI Limi 20 x Spike
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid	D MS Sample <u>Result</u> 2210 E MSD	Qualifier	250 Spike Added 250 Spike Added 1240	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS Qualifier	Unit Unit mg/Kg		D D	102 ple ID: %Rec 101 Client %Rec 104	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 0: Matrix S Prep	Type: S <u>RPD</u> 1): Matrix Type: S	Soluble RPI Limi 20 Soluble Soluble Soluble
Chloride Lab Sample ID: LCSD 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-A-1- Matrix: Solid	D MS Sample Result 2210 E MSD Sample	Qualifier	250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS	Unit Unit mg/Kg		D D	102 ple ID: %Rec 101 Client %Rec 104	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample JD Prep	Type: S <u>RPD</u> 1): Matrix Type: S pike Du	Soluble RPI Limi 20 Soluble Soluble
and the second	D MS Sample <u>Result</u> 2210 E MSD	Qualifier	250 Spike Added 250 Spike Added 1240	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS Qualifier	Unit Unit mg/Kg		D D	102 ple ID: %Rec 101 Client %Rec 104	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 0: Matrix S Prep	Type: S <u>RPD</u> 1): Matrix Type: S pike Du	Solu L C Sp Solu

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QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATILLITE 5 Job ID: 890-3793-1

SDG: Lea County NM

GC VOA

Prep Batch: 43732

ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
IB 880-43732/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 43735					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3793-1	PH01	Total/NA	Solid	5035	
MB 880-43735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3791-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-3791-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
		Bron Tuno	Matrix	Mathad	Bron Batch
	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
Lab Sample ID 890-3793-1	Client Sample ID PH01	Total/NA	Solid	8021B	43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A	Client Sample ID PH01 Method Blank	Total/NA Total/NA	Solid Solid	8021B 8021B	43735 43732
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A	Client Sample ID PH01 Method Blank Method Blank	Total/NA Total/NA Total/NA	Solid Solid Solid	8021B 8021B 8021B	43735 43732 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A	Client Sample ID PH01 Method Blank Method Blank Lab Control Sample	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8021B 8021B 8021B 8021B	43735 43732 43735 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A	Client Sample ID PH01 Method Blank Method Blank Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8021B 8021B 8021B 8021B 8021B 8021B	43735 43732 43735 43735 43735 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A	Client Sample ID PH01 Method Blank Method Blank Lab Control Sample	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8021B 8021B 8021B 8021B	43735 43732 43735 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A	Client Sample ID PH01 Method Blank Method Blank Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8021B 8021B 8021B 8021B 8021B 8021B	43735 43732 43735 43735 43735 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A 890-3791-A-1-A MS	Client Sample ID PH01 Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8021B 8021B 8021B 8021B 8021B 8021B 8021B	43735 43732 43735 43735 43735 43735 43735
Lab Sample ID 890-3793-1 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A LCSD 880-43735/2-A 890-3791-A-1-A MS 890-3791-A-1-B MSD	Client Sample ID PH01 Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8021B 8021B 8021B 8021B 8021B 8021B 8021B	43735 43732 43735 43735 43735 43735 43735

GC Semi VOA

Prep Batch: 43908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3793-1	PH01	Total/NA	Solid	8015NM Prep	
MB 880-43908/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43908/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3793-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-3793-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43947

890-3793-1

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3793-1	PH01	Total/NA	Solid	8015B NM	43908
MB 880-43908/1-A	Method Blank	Total/NA	Solid	8015B NM	43908
LCS 880-43908/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43908
LCSD 880-43908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43908
890-3793-1 MS	PH01	Total/NA	Solid	8015B NM	43908
890-3793-1 MSD	PH01	Total/NA	Solid	8015B NM	43908
Analysis Batch: 44058					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

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PH01

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATILLITE 5

HPLC/IC

Leach Batch: 43788

890-3791-A-1-D MS

890-3791-A-1-E MSD

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-3793-1	PH01	Soluble	Solid	DI Leach		
MB 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach		5
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		6
890-3791-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach		
890-3791-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
analysis Batch: 43922						8

Prep Type

Soluble

Lab Sample IDClient Sample ID890-3793-1PH01MB 880-43788/1-AMethod BlankLCS 880-43788/2-ALab Control SampleLCSD 880-43788/3-ALab Control Sample Dup

Matrix Spike

Matrix Spike Duplicate

Soluble	Solid	300.0
Soluble	Solid	300.0

Matrix

Solid

Job ID: 890-3793-1 SDG: Lea County NM

Method

300.0

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Prep Batch

43788

43788

43788

43788

43788 43788

3

Job ID: 890-3793-1 SDG: Lea County NM

Lab Sample ID: 890-3793-1 Matrix: Solid

Client Sample ID: PH01 Date Collected: 01/09/23 09:50

Client: Ensolum

Date	Received:	01/10/23	09:05

Project/Site: EVGSAU SATILLITE 5

	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	43735	01/11/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 09:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44096	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44058	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43908	01/13/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43947	01/15/23 11:05	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			43922	01/13/23 19:44	СН	EET MID

Laboratory References:

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

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Released to Imaging: 3/7/2023 2:51:14 PM

Accreditation/Certification Summary

10

Job ID: 890-3793-1 SDG: Lea County NM

Laboratory: Eurofins Midland

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

uthority	Pro	ogram	Identification Number	Expiration Date
xas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report bu	it the laboratory is not certifi	ed by the governing authority. This list ma	v include analytes for
the agency does not of	er certification.			, ,
the agency does not of Analysis Method	• •	Matrix	Analyte	
the agency does not of	er certification.			

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Method Summary

Client: Ensolum Project/Site: EVGSAU SATILLITE 5

Job ID: 890-3793-1 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	MCAWW	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
SW846 =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed = TestAmerica Laboratories, Standard Operating Procedure		
	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Protocol References:

Laboratory References:

Sample Summary

Job ID: 890-3793-1 SDG: Lea County NM

Client: Ensolum Project/Site: EVGSAU SATILLITE 5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3793-1	PH01	Solid	01/09/23 09:50	01/10/23 09:05	2

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Revised Date: 08/25/2020 Rev. 2020 2									
		4 a	10:23 CKZ	1.10					
		N	20068-6	-dr-		and o	1 CHE	1	R
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		ture)	Received by; (Signature)	C Rece	(Signature)	Relinquished by: (Signature)
	ore, it assigns standard terms and condutors es are due to circumstances beyond the control ms will be enforced unless previously negotiated.	tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its attiliates and subcontractors. It assigns standard terms and commons 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 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 negotiat	npany to Eurofins Xer losses or expenses i ubmitted to Eurofins)	client con ty for any sample su	ourchase order from time any responsibilit harge of \$5 for each s	constitutes a valid p s and shall not assu ach project and a c	nent of samples of cost of sample ill be applied to e	ocument and relinquishn will be liable only for th num charge of \$85.00 wi	tice: Signature of this de service. Eurofins Xenco Eurofins Xenco. A minin
/ 7470 / 7471	Ag TI U Hg: 1631/245.1/7470/7471	TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	b As Ba Be C	RA S	PLP 6010: 8RC	TCLP / S	nalyzed	rcle Method(s) and Metal(s) to be analyzed	rcle Method(s) and
TI Sn U V Zn	K Se /	Cd Ca Cr Co Cu Fe Pb Mg N	Sb As Ba Be B	AI Sb	13PPM Texas 11	8RCRA 13F		10 200.8 / 6020:	Total 200.7 / 6010
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NAPP2213957732						9.1			
Incident Number						22	-		
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			x x x		2' G	950	1.9.23	s	PH01
Sample Comments			TPH (8 Chloric BTEX (# of Cont	Depth Grab/ Comp	Time d Sampled	Matrix Date Sampled		Sample Identification
NaOH+Ascorbic Acid: SAPC		890-3793 Chain of Custody	les		2.6	Corrected Temperature:	Corrected		otal Containers:
Zn Acetate+NaOH: Zn					e is	Femperature Reading:	N/A Tempera	Yes No	ample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃	Na ₂ S ₂ C			Pa	-0-2	n Factor:	N/A Correction Factor:	Yes No (ooler Custody Seals:
NaHSO4: NABIS	NaHSC			arar	E-00m-	neter ID: 7V			amples Received Intact:
ΗP	H ₃ PO ₄ : HP			nete	Yes No	o Wet Ice: "	c: (Yes No	T Jenp Blank:	AMPLE RECEIPT
H ₂ NaOH: Na	H ₂ S0 ₄ : H ₂			18	the lab, if received by 4:30pm	the lab, if rec			*
	HCL: HC		_		TAT starts the day received by	TAT starts the	Shore	Conner Shore	ampler's Name:
Cool MeOH: Me	Cool: Cool		-			Due Date:	ty, NM	Lea County, NM	oject Location:
NO DI Water: H ₂ O	None: NO			Pres. Code		Routine	7012	03D2057012	oject Number:
Preservative Codes		ANALYSIS REQUEST			Turn Around	Turn	atellite 5	EVGSAU Satellite	roject Name:
Other:	Deliverables: EDD	Deliv	om	iolum.c	Email: kjennings@ensolum.com	Email:		817.683.2503	
	Reporting: Level II Clevel III PST/UST TRRP	Repo	Midland, TX 79701	N	City, State ZIP:			Midland, TX 79701	ity, State ZIP:
	State of Project:		601 N Marienfeld St Suite 400	6	Address:		St Suite 400	601 N Marienfeld St Suite 400	
RRC Superfund	Program: UST/PST PRP Brownfields RRC	Prog	Ensolum, LLC	m	Company Name:			Ensolum, LLC	
ints	Work Order Comments		Kalei Jennings	x	Bill to: (if different)			Hadlie Green	roject Manager:
Page 2 of 2	www.xenco.com Pa	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	5) 392-7550, Carlsb	. NM (57	Hobbs				
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	15) 585-3443. Lubb	50, TX (9	EL Pas		0	Xenco	
	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334) 704-5440, San Ani	TX (432	Midland,	Testing	Environment Testing	E ave	

eurofins

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Custody Seals Intact: Custody Seal No.	Relinquished by Date/Time:	Relinquished by Oate/Time:	Reinquished by DateTime.	Inquished by	I III IV Other (specify)		Possible Hazard Identification	laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/hests/matrix being analyzed, the samples must be shipped tack to the Eurofanae down on a supersonal accreditation status should be brought to Eurofana Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of	Note: Since typeralery accreditations are subject to change Euronins Ervironment Testing							PH01 (890-3793-1)		Sample Identification - Client ID (Lab ID) San		Site SSOW#	Project Name: EVGSAU SATILLITE 5 890000	Email* WO #	Prome PO # 432 704-5440(Tel)	State Zp: TX 79701	City Midland	Address Due c 1211 W Florida Ave 1/16	y Is Environment Testing South Centr	Shipping/Receiving	ormation (Sub Contract Lab)	Phone: 575-988-3199 Fax: 575-988-3199	0 3
	me:	me	(1)8;	Date	Primary Deliverable Rank. 2			analysis/tests/matrix being analyzed, th C attention immediately If all requeste	South Central. LLC places the owner							1/9/23 09:50 Mountain	X	Sample Date Time G=grab)	Sample	Ħ	Project #* 89000094				TAT Requested (days) [,]	Due Date Requested: 1/16/2023			ler.		Chain of Cu
	Company	Company	Company	Time:	Sp		Sa	the samples must be shipped accreditations are current	ship of method analyte & ac							Solid	Preservation Code: XX	AP2 Co-waste/cil, D) BT=Tissue, A=Alr)	Matrix								Accreditatic NELAP	E-Mail [.] Jessica Kra	Lab PM. Kramer, Jessica		Chain of Custody Record
Cooler Temperatur	Received by:	Redeived by	Referived yr	1	ecial Instruction	Return To Client	Sample Disposal (A fee may	to date, return the s	creditation complian				 			× × ×		8015MOI 8015MOI 300_ORC	D_Calc					ІТРН			Accreditations Required (See note): NELAP Texas	E-Mail Jessica Kramer@et.eurofinsus.com	ssica		ř
Cooler Temperature(s) °C and Other Remarks:					Special Instructions/QC Requirements			igned Chain of Cus	nce unon our subcor				 			×		8021B/60 Total_B1	·		OD) B	TEX			*	Analysis Re	se note) [,]	ISUS.COM			
kemarks:				Method of Shipment:	ents	Disposal By Lab	be assessed if samples are retained longer	ng South Central, LL tody attesting to said	ntract laboratories. Ti			 														Requested		State of Origin. New Mexico	Carrier Tracking No(s):		
	Date/Time:	Date/Timer	Date/Time:	nipment:		Arc	nples are retain	C laboratory or other compliance to Europ	nis samole shipmen									Total Ni	umber	ofcor	tainer	5							o(s):		
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	Company	Company	Company			Months	1 month)	Testing South Central, LLC laboratory or other instructions will be provided. Any changes to Testing South Central, LLC laboratory or other instructions will be provided. Any changes to Custody attesting to said compliance to Eurofine Environment Testing South Central LLC.	hain-of-rustody If the	A CONTRACTOR OF								Special Instructions/Note			Y - Trizma Z other (specify)	V MCAA W 6H 4-5	S - H2SO4 T TSP Dodecahydrate	R Na2SO3	N None O AsNaO2	des. M Hexane				i Environment lesting	ainte and

Page 101 of 157

Ver 06/08/2021

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				╞	s	Remarks		Cooler Temperature(s) °C and Other	rature(s	Tempe	Cooler								Custody Seal No	eals Intact:	Custody
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			oment	Method of Shipment	Methor	þ	ł	Ļ		1	F	Time:			le l	Date				Empty Kit Relinquished by	Empty Kit
						ents	lurem	Special Instructions/QC Requirements	tions/C	nstruct		ds ds			PRank 2	eliverable	Primary Deliverable Rank		IV, Other (specify)	Deliverable Requested I, II, III IV, Other (specify)	Deliverabi
Months	Disposal By Lab Archive For	Arc		Lab	Disposal By Lab	Dispo		Return To Client	o Clier	Return To Client	Re									ed	Unconfirmed
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Note: Since laboratory accessitations are eveloped to entrain training South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not durrently maintain accreditation in the State of Origin lated above for analysis that when you have a construct the samples must be shipped tack to the Eurofins Environment Testing South Central LLC blaces the ownershipped tack to the Eurofins Environment Testing South Central LLC blaces to durrently maintain accreditation in the State of Origin lated above for analysis the samples must be shipped tack to the Eurofins Environment Testing South Central LLC blaces to durrently in an accessibility of the samples must be shipped tack to the Eurofins Environment Testing South Central LLC blaces to durrently in an accessibility of the samples must be shipped tack to the Eurofins Environment Testing South Central LLC blaces to durrent the State of Origin lated above for analysis to the Eurofins Environment Testing South Central LLC blaces to durrently in the same of a construction of Custover states for the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eurofine Environment Testing South Central LLC blaces to the Eu	nt is forwarded under ir instructions will be y fins Frivironment Tes	shipmer ry or othe	s sample laborator	al LLC1	aboratori th Centra estina to	ntract la ing Sout	r subcor Int Testi	upon ou Wirohme	pliance ofins Er	the Eur	back to	lyte & ac shipped	iethod, anal 95 must be a attions are	whership of m red, the sample	LC places the d fix being analyz	Y Central, Li s/tests/matu	ICTESSING SOUTH	fins Environmer Origin listed at sting South Ce	security in the start of the st	aboratory accreditations a es not currently maintain status should be broucht	Note: Since laboratory do accreditation
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Special Instructions/Note		Tol		ļ				Tot				-01	Ē.	L	 		Sample Date		ID (Lab ID)	Sample Identification - Client ID (Lab ID)	Sample I
		tal Numbe						al_BTEX_G	18/6036FP	5MOD_Calc	6MOD_NM/	ld Filtered rform MS/I	Matrix (w=water S=solid,	Sample N Type () (C=comp, o=	Sample (C-	ço					
	Other	r of co						cv		نىخى. مىز							SSOW#				Site
	F 7	ntaine								EACH	A_S_Pr						Project # 89000094			Project Name: EVGSAU SATELLITE 5	Project Name: EVGSAU S
	<u>ر د</u>	rs.								Chiori	ep (MC	CONTRACT OF A DOMESTIC					WO#:				Email.
S H2504 T TSP Dodecahydrate	G Amchlor H Ascorbic Acid									de	DD) Fu	<u>6)</u>					P0 #			5440(Tel)	Phone. 432-704-5440(Tel)
Q Na2SO3 R Na2S2O3	E NaHSO4										II TPH	ander of									State, Zip: TX, 79701
N None O AsNaO2 P Na2O4S	B - NaOH C Zn Acetate															ted (days).	TAT Requested (days):				City Midland
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	Page. Page 1 of 1			8 3	State of Origin: New Mexico	State New		S.COM	ofinsus	et.eun	mer@	E-Mail Jessica.Kramer@et.eurofinsus.com	E-Mail- Jessio				Phone:			Client Contact: Shipping/Receiving	Client Contact Shipping/Re
	COC No: 890-1092,1			Carrier Tracking No(s)	er Track	Cam					sica	Lab PM. Kramer Jessica	Lab PM. Kramer				Sampler		(Sub Contract Lab)	ormation	Client I
Environment Testing	🖑 eurofins										ā	eco	dy R	Custo	Chain of Custody Record	Ch Ch			5-988-3199	1069 N Canal St Carlsbad, NM 88220 Phone: 575-988-3199 Fax. 575-988-3199	1089 N Canal St Carlsbad, NM 8 Phone: 575-988-
						č	tar													Eurofins Carlsbad	Eurofi

14

Job Number: 890-3793-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3793 List Number: 1 Creator: Clifton, Cloe

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	

14

Job Number: 890-3793-1 SDG Number: Lea County NM List Source: Eurofins Midland

List Creation: 01/11/23 12:47 PM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 3793 List Number: 2 Creator: Teel, Brianna

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



Environment Testing

Page 105 of 157

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 6:23:32 PM

JOB DESCRIPTION

EVGSAU SATELLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3792-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Received by OCD: 2/24/2023 2:35:14 PM

Eurofins Carlsbad

Job Notes

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

RAMER

Generated 1/16/2023 6:23:32 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

Laboratory Job ID: 890-3792-1

SDG: Lea County NM

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QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	21

Definitions/Glossary

	Definitions/Glossary	1
Client: Ensolum Project/Site: EV	Dob ID: 890-3792-1 Job ID: 890-3792-1 SDG: Lea County NM	2
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		Ę
Qualifier	Qualifier Description	
<u>S1+</u>	Surrogate recovery exceeds control limits, high biased.	6
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	8
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤ V D	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 DER	Contains No Free Liquid	
DER Dil Fac	Duplicate Error Ratio (normalized absolute difference) Dilution Factor	
DIFAC	Detection Limit (DoD/DOE)	1
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	

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

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

PRES

QC

RER

RL

RPD TEF

TEQ TNTC
Project/Site: EVGSAU SATELLITE 5

4

5

Job ID: 890-3792-1 SDG: Lea County NM

Job ID: 890-3792-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3792-1

Receipt

The samples were received on 1/10/2023 9:05 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 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH02 (890-3792-1) and PH02 (890-3792-2).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43869/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3792-1 SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 01/09/23 10:35 Date Received: 01/10/23 09:05

Sample Depth: 3

Client: Ensolum

Lab Sample ID: 890-3792-1

Matrix: Solid

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:10	
Toluene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:10	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:10	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/11/23 12:47	01/14/23 08:10	
p-Xylene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:10	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/11/23 12:47	01/14/23 08:10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		70 - 130			01/11/23 12:47	01/14/23 08:10	
1,4-Difluorobenzene (Surr)	86		70 - 130			01/11/23 12:47	01/14/23 08:10	
Method: TAL SOP Total BTEX - To	otal BTEX Calc	ulation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 16:58	
Method: SW846 8015 NM - Diesel	Range Organi	ics (DRO) (C	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:39	
Method: SW846 8015B NM - Diese) Range Orge	nics (DPO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9	mg/Kg		01/13/23 08:39	01/15/23 20:50	
(GRO)-C6-C10				2 2				
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/13/23 08:39	01/15/23 20:50	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/13/23 08:39	01/15/23 20:50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	106		70 - 130			01/13/23 08:39	01/15/23 20:50	
o-Terphenyl	108		70 - 130			01/13/23 08:39	01/15/23 20:50	
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy - Sc	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2320		24.9	mg/Kg			01/13/23 19:23	
lient Sample ID: PH02						Lab San	nple ID: 890-3	3792-2
te Collected: 01/09/23 10:40 te Received: 01/10/23 09:05								ix: Solio
ample Depth: 4								
/ethod: SW846 8021B - Volatile C)rganic Comp	ounds (GC)						

Wethou. 500040 0021D - Volat	ne organic oomp		/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/11/23 12:47	01/14/23 08:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/11/23 12:47	01/14/23 08:37	1

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Matrix: Solid

Client Sample Results

Job ID: 890-3792-1 SDG: Lea County NM

Lab Sample ID: 890-3792-2

Client Sample ID: PH02

Project/Site: EVGSAU SATELLITE 5

Date Collected: 01/09/23 10:40 Date Received: 01/10/23 09:05

Sample Depth: 4

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fae
1,4-Difluorobenzene (Surr)	94		70 - 130			01/11/23 12:47	01/14/23 08:37	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 16:58	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8	mg/Kg			01/16/23 16:39	
Gasoline Range Organics			49.8	mg/Kg		01/13/23 08:39	01/15/23 21:54	
Method: SW846 8015B NM - Dies Analyte	• •	nics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8		49.8	mg/Kg		01/13/23 08:39	01/15/23 21:54	
C10-C28)	\$49.0	0	49.0	ilig/Kg		01/13/23 00.39	01/15/25 21.54	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/13/23 08:39	01/15/23 21:54	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	118		70 - 130			01/13/23 08:39	01/15/23 21:54	
o-Terphenyl	118		70 - 130			01/13/23 08:39	01/15/23 21:54	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	515		5.03	mg/Kg			01/13/23 19:39	

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Job ID: 890-3792-1 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	4
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3791-A-1-A MS	Matrix Spike	116	95		
890-3791-A-1-B MSD	Matrix Spike Duplicate	111	96		6
890-3792-1	PH02	91	86		
890-3792-2	PH02	105	94		
LCS 880-43735/1-A	Lab Control Sample	105	102		
LCSD 880-43735/2-A	Lab Control Sample Dup	106	105		8
MB 880-43732/5-A	Method Blank	71	89		
MB 880-43735/5-A	Method Blank	75	90		9
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Matrix: Solid				Prep Type: Total/NA	
_				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		13
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-3792-1	PH02	106	108		
890-3792-1 MS	PH02	81	81		
890-3792-1 MSD	PH02	97	82		
890-3792-2	PH02	118	118		
LCS 880-43869/2-A	Lab Control Sample	113	105		
LCSD 880-43869/3-A	Lab Control Sample Dup	116	108		
MB 880-43869/1-A	Method Blank	158 S1+	167 S1+		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43732/5-A								(Client Sa	ample ID: Met		
Matrix: Solid										Prep Type		
Analysis Batch: 43878	ME	B MB								Prep Bat	ch:	43732
Analyte		t Qualifier	RL		Unit		D	Pre	epared	Analyzed		Dil Fac
Benzene	<0.00200		0.00200			a	_		/23 12:26	01/13/23 17:05	— — ;	1
Toluene	<0.00200		0.00200		mg/K	-			/23 12:26	01/13/23 17:05		1
Ethylbenzene	<0.00200		0.00200		mg/K	-			/23 12:26	01/13/23 17:05		1
m-Xylene & p-Xylene	< 0.00400		0.00400		mg/K				/23 12:26	01/13/23 17:05		· · · · · 1
o-Xylene	<0.00200		0.00200		mg/K	-			/23 12:26	01/13/23 17:05		1
Xylenes, Total	<0.00200		0.00200		mg/K	-			/23 12:26	01/13/23 17:05		1
					5	0						
Survey mode	ME % De eeu vorr		Lincita					D	d	Analyzad		
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery		Limits 70 _ 130						epared /23 12:26	Analyzed 01/13/23 17:03		Dil Fac
1,4-Difluorobenzene (Surr)	8		70 - 130 70 - 130						/23 12:20	01/13/23 17:03		1
	03	,	70 - 730					01/11	/23 12.20	01/13/23 17.08	,	1
Lab Sample ID: MB 880-43735/5-A								C	Client Sa	ample ID: Met	hod	Blank
Matrix: Solid										Prep Type	: To	tal/NA
Analysis Batch: 43878										Prep Bat	ch:	43735
-	ME	MB										
Analyte	Resul	t Qualifier	RL		Unit		D	Pre	epared	Analyzed		Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g	_	01/11	/23 12:47	01/14/23 06:48	;	1
Toluene	<0.00200) U	0.00200		mg/K	g		01/11	/23 12:47	01/14/23 06:48	\$	1
Ethylbenzene	<0.00200) U	0.00200		mg/K	g		01/11	/23 12:47	01/14/23 06:48	3	1
m-Xylene & p-Xylene	< 0.00400) U	0.00400		mg/K	g		01/11	/23 12:47	01/14/23 06:48	3	1
o-Xylene	<0.00200) U	0.00200		mg/K	g		01/11	/23 12:47	01/14/23 06:48	\$	1
Xylenes, Total	<0.00400) U	0.00400		mg/K	g		01/11	/23 12:47	01/14/23 06:48	}	1
	МЕ	B MB										
Surrogate	%Recovery	v Qualifier	Limits					Pre	epared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	75	5	70 - 130					01/11	/23 12:47	01/14/23 06:48	3	1
1,4-Difluorobenzene (Surr)	90	0	70 - 130					01/11	/23 12:47	01/14/23 06:48	3	1
Lab Sample ID: LCS 880-43735/1-A									Samplo	ID: Lab Contr	~ ~	amplo
Matrix: Solid								JIEII	Sample	Prep Type		
Analysis Batch: 43878										Prep Bat		
Analysis Batch. 43070			Spike	1.05	LCS					%Rec	.cn.	43733
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Benzene			0.100	0.1102	Quaimer	mg/Kg			110	70 - 130		
Toluene			0.100	0.09645		mg/Kg			96	70 - 130		
Ethylbenzene			0.100	0.09590		mg/Kg			96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1983		mg/Kg			99 07	70 - 130		
o-Xylene			0.100	0.09743		mg/Kg			97	70 - 130		
	LCS LC											
		alifier	Limits									
4-Bromofluorobenzene (Surr)	105		70 - 130									
1,4-Difluorobenzene (Surr) -	102		70 - 130									
Lab Sample ID: LCSD 880-43735/2-	Δ.					CI	iont	t Sami	nle ID· I	ab Control Sa	mp	
Matrix: Solid	2							Coang		Prep Type		
Analysis Batch: 43878			Spiko		LCSD					Prep Bat %Rec	UII:	43735 RPD
Analyta			Spike Added			l Init		Р	% Pcc		חסי	
Analyte			Added	Result	Qualifier	Unit		_ <u>D</u> _	%Rec	Limits F	RD	Limit

5

Job ID: 890-3792-1 SDG: Lea County NM

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Benzene

0.1207

mg/Kg

121

70 - 130

0.100

35

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3792-1 SDG: Lea County NM

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

Lab Sample ID: LCSD 880-4	3735/2-A					Clie	nt San	n <mark>ple ID:</mark>	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 43878									Prep	Batch:	43735
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.1052		mg/Kg		105	70 - 130	9	35
Ethylbenzene			0.100	0.1064		mg/Kg		106	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2215		mg/Kg		111	70 - 130	11	35
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130	11	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Lab Sample ID: 890-3791-A	-1-A MS							Client	Sample ID	· Matrix	Snike
Matrix: Solid								onom		ype: To	
Analysis Batch: 43878										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec	Datom	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201	U	0.101	0.1038		mg/Kg		103	70 - 130		
Toluene	<0.00201	U	0.101	0.09117		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08880		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1824		mg/Kg		90	70 - 130		
o-Xylene	<0.00201	U	0.101	0.08945		mg/Kg		89	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: 890-3791-A-1-B MSD Matrix: Solid Analysis Batch: 43878

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

Pron	Batch:	43735
TICP	Duton.	40100

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.08711		mg/Kg		88	70 - 130	17	35
Toluene	<0.00201	U	0.0990	0.07304		mg/Kg		74	70 - 130	22	35
Ethylbenzene	<0.00201	U	0.0990	0.07264		mg/Kg		73	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1486		mg/Kg		75	70 - 130	20	35
o-Xylene	<0.00201	U	0.0990	0.07570		mg/Kg		76	70 - 130	17	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

70 - 130

70 - 130

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

111

96

Lab Sample ID: MB 880-43869/1-A Matrix: Solid Analysis Batch: 43945	мв	МВ				Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 19:47	1

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Client: Ensolum Project/Site: EVGSAU SATELLITE 5

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Job ID: 890-3792-1 SDG: Lea County NM

Lab Sample ID: MB 880-43869/1	-A									Client Sa	ample ID: I	Method	Blan
Matrix: Solid	~											ype: To	
Analysis Batch: 43945												Batch:	
Analysis Datch. 40040		МВ	MB								пер	Daten.	4000
Analyte	Pa		Qualifier	RL		Unit		D	D	repared	Analyz	od	Dil Fa
Diesel Range Organics (Over		50.0		50.0						3/23 08:39	01/15/23		Dirta
C10-C28)		00.0	0	00.0		iiig/it	9		01/1	0/20 00.00	01/10/20	10.47	
Oll Range Organics (Over C28-C36)	<	50.0	U	50.0		mg/K	g		01/1	3/23 08:39	01/15/23 ⁻	19:47	
_			МВ						_				
Surrogate	%Reco	-	Qualifier	Limits				_		repared	Analyz		Dil Fa
1-Chlorooctane			S1+	70 - 130						3/23 08:39			
o-Terphenyl		167	S1+	70 - 130					01/1	3/23 08:39	01/15/23	19:47	
Lab Sample ID: LCS 880-43869/	2_1							CI	iont	Sample	ID: Lab Co	ontrol S	ampl
Matrix: Solid	2-4							Cil	ent	Sample			
												ype: To Batch:	
Analysis Batch: 43945				Spike	LCS	1.05					%Rec	BatCII:	4000
Analyte				Added		Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	850.0	Quaimer	mg/Kg		_	85	70 - 130		
(GRO)-C6-C10				1000	000.0		<u>9</u> /1.9			55	70 - 100		
Diesel Range Organics (Over				1000	958.3		mg/Kg			96	70 - 130		
C10-C28)													
	LCS	100											
Surrogata		Qual	ifior	Limits									
Surrogate	%Recovery 113	Quai		70 - 130									
o-Terphenyl	105			70 - 130 70 - 130									
	100			70 - 150									
Lab Sample ID: LCSD 880-43869	9/3-A												
							Cli	ent S	Sam	ple ID: L	ab Contro	I Samp	le Du
Matrix: Solid							Cli	ent S	Sam	ple ID: L	ab Contro. Prep T		
Matrix: Solid Analysis Batch: 43945							Cli	ent S	Sam	ple ID: L	Prep T	ype: To	otal/N/
Matrix: Solid Analysis Batch: 43945				Spike	LCSD	LCSD	Cli	ent S	Sam	ple ID: L	Prep T		otal/N/ 43869
Analysis Batch: 43945				Spike Added				ent S		-	Prep T Prep %Rec	ype: To Batch:	otal/N/ 43869 RPI
Analysis Batch: 43945				Added	Result	LCSD Qualifier	Unit	ent S	Sam	%Rec 97	Prep T Prep %Rec Limits	ype: To	otal/N/ 43869 RPI Limi
Analysis Batch: 43945				-				ent S		%Rec	Prep T Prep %Rec	ype: To Batch: RPD	otal/N
Analysis Batch: 43945 Analyte Gasoline Range Organics				Added	Result		Unit	ent S		%Rec	Prep T Prep %Rec Limits	ype: To Batch: RPD	4386 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10				Added	Result 969.8		- <mark>Unit</mark> mg/Kg	ent S		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	4386 RPI Lim
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		LCSI		Added	Result 969.8		- <mark>Unit</mark> mg/Kg	ent \$		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	4386 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD			Added 1000 1000	Result 969.8		- <mark>Unit</mark> mg/Kg	ent \$		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	4386 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over				Added	Result 969.8		- <mark>Unit</mark> mg/Kg	ent \$		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	otal/N/ 43869 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCSD %Recovery			Added 1000 1000 <i>Limits</i>	Result 969.8		- <mark>Unit</mark> mg/Kg	ent S		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	4386 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCSD %Recovery 116			Added 1000 1000 <i>Limits</i> 70 - 130	Result 969.8		- <mark>Unit</mark> mg/Kg	ent \$		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: RPD 13	4386 RPI Limi
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCSD %Recovery 116			Added 1000 1000 <i>Limits</i> 70 - 130	Result 969.8		- <mark>Unit</mark> mg/Kg	ent 5		% Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 13 6	0tal/NJ 4386 RPI <u>Lim</u> 2
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	LCSD %Recovery 116			Added 1000 1000 <i>Limits</i> 70 - 130	Result 969.8		- <mark>Unit</mark> mg/Kg	ent 5		% Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: <u>RPD</u> 13 6	tal/NJ 4386 RPI 2 2 2
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS	LCSD %Recovery 116			Added 1000 1000 <i>Limits</i> 70 - 130	Result 969.8		- <mark>Unit</mark> mg/Kg	ent 5		% Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: (RPD) 13 6 nple ID	20000000000000000000000000000000000000
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid	LCSD %Recovery 116	Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 969.8 903.3		- <mark>Unit</mark> mg/Kg	ent 5		% Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: 13 6 nple ID Type: To	20000000000000000000000000000000000000
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid	LCSD %Recovery 116 108	<u>Qual</u>	ifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 969.8 903.3 MS	Qualifier	- <mark>Unit</mark> mg/Kg	ent 5		% Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: 13 6 nple ID Type: To	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945	LCSD %Recovery 116 108 Sample	Qual Samı Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike	Result 969.8 903.3 MS	Qualifier	- <mark>Unit</mark> mg/Kg mg/Kg	ent 5	<u>D</u>	%Rec 97 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch: 13 6 nple ID Type: To	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945 Analyte	LCSD %Recovery 116 108 Sample Result	Qual Samı Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 969.8 903.3 MS Result	Qualifier	Unit mg/Kg mg/Kg	ent 5	<u>D</u>	%Rec 97 90 %Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1	Type: To Batch: 13 6 nple ID Type: To	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD %Recovery 116 108 Sample Result	Qual Samı Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 969.8 903.3 MS Result	Qualifier	Unit mg/Kg mg/Kg	ent 5	<u>D</u>	%Rec 97 90 %Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1	Type: To Batch: 13 6 nple ID Type: To	20000000000000000000000000000000000000
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10	LCSD %Recovery 116 108 Sample Result <49.9	Qual Samı Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 998	Result 969.8 903.3 903.3 Result 895.8	Qualifier	Unit mg/Kg mg/Kg	ent \$	<u>D</u>	%Rec 97 90 90 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T %Rec Limits 70 - 130	Type: To Batch: 13 6 nple ID Type: To	20000000000000000000000000000000000000
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<i>LCSD</i> % <i>Recovery</i> 116 108 Sample <u>Result</u> <49.9 <49.9	Qual Samı Qual	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 998	Result 969.8 903.3 903.3 Result 895.8	Qualifier	Unit mg/Kg mg/Kg	ent \$	<u>D</u>	%Rec 97 90 90 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T %Rec Limits 70 - 130	Type: To Batch: 13 6 nple ID Type: To	20000000000000000000000000000000000000
Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-1 MS Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD %Recovery 116 108 Sample Result <49.9 <49.9 <49.9	Qual Samı Qual U	ifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 998	Result 969.8 903.3 903.3 Result 895.8	Qualifier	Unit mg/Kg mg/Kg	ent 5	<u>D</u>	%Rec 97 90 90 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client Sar Prep T Prep T %Rec Limits 70 - 130	Type: To Batch: 13 6 nple ID Type: To	20000000000000000000000000000000000000

81

81

1-Chlorooctane

o-Terphenyl

70 - 130

70 - 130

Client: Ensolum

Job ID: 890-3792-1 SDG: Lea County NM

Prep Type: Soluble

Project/Site: EVGSAU SATELLITE 5 Method: 80

Lab Sample ID: 890-3792-1 MSD											Client Sa	mple ID:	PH02
Matrix: Solid											Prep 1	Гуре: То	tal/NA
Analysis Batch: 43945											Prep	Batch:	43869
-	Sample	Samp	ole	Spike		MSD	MSD				%Rec		RPD
Analyte	Result	Quali	fier	Added		Result	Qualifier	Unit		D %Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<49.9	U		997		959.7		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over	<49.9	U		997		917.4		mg/Kg		89	70 - 130	2	20
C10-C28)													
	MSD	MSD											
Surrogate	%Recovery	Quali	fier	Limits									
1-Chlorooctane	97			70 - 130									
o-Terphenyl	82			70 - 130									
lethod: 300.0 - Anions, Ion	Chromate	ogra	phy										
Lab Sample ID: MB 880-43788/1-	A									Client S	Sample ID:	Method	Blanl
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 43922													
-		мв	МВ										
Analyte	Re	sult	Qualifier		RL		Unit		D	Prepared	Analyz	zed	Dil Fac
Chloride		5.00			5.00		mg/ł	(a			01/13/23	17.28	

Lab Sample ID Matrix: Solid Analysis Batch: 43922

Analysis Batch: 43922									
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	256.1		mg/Kg		102	90 _ 110		-

 Lab Sample ID: LCSD 880-43788/3-A Matrix: Solid Analysis Batch: 43922				Clier	nt Sarr	nple ID:	Lab Contro Prep	ol Sample Type: Se	
Analysis Datch. 43922	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	252.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-3791-A-1-D M Matrix: Solid Analysis Batch: 43922	IS							Client		: Matrix Spike Type: Soluble	
Analyte		Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2210	Quaimer		3493	Quaimer	mg/Kg			90 - 110		

				0.00					00-110		
Lab Sample ID: 890-3791-A-1-E M Matrix: Solid Analysis Batch: 43922	SD						Client Sa	ample IC	: Matrix S Prep	pike Dup Type: So	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2210		1240	3475		mg/Kg		102	90 _ 110	1	20

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QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3792-1

SDG: Lea County NM

GC VOA

Prep Batch: 43732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43732/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 43735					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3792-1	PH02	Total/NA	Solid	5035	
390-3792-2	PH02	Total/NA	Solid	5035	
MB 880-43735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3791-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-3791-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
nalysis Batch: 43878 Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3792-1	PH02	Total/NA	Solid	8021B	43735
890-3792-2	PH02	Total/NA	Solid	8021B	43735
MB 880-43732/5-A	Method Blank	Total/NA	Solid	8021B	43732
MB 880-43735/5-A	Method Blank	Total/NA	Solid	8021B	43735
	Lab Control Sample	Total/NA	Solid	8021B	43735
LCS 880-43735/1-A		Total/NA	Solid	8021B	43735
	Lab Control Sample Dup	TOtal/NA	oona		
LCS 880-43735/1-A LCSD 880-43735/2-A 890-3791-A-1-A MS	Lab Control Sample Dup Matrix Spike	Total/NA	Solid	8021B	43735

Analysis Batch: 44095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3792-1	PH02	Total/NA	Solid	Total BTEX	
890-3792-2	PH02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3792-1	PH02	Total/NA	Solid	8015NM Prep	
890-3792-2	PH02	Total/NA	Solid	8015NM Prep	
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3792-1 MS	PH02	Total/NA	Solid	8015NM Prep	
890-3792-1 MSD	PH02	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3792-1	PH02	Total/NA	Solid	8015B NM	43869
890-3792-2	PH02	Total/NA	Solid	8015B NM	43869
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015B NM	43869
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43869
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43869
890-3792-1 MS	PH02	Total/NA	Solid	8015B NM	43869
890-3792-1 MSD	PH02	Total/NA	Solid	8015B NM	43869

Eurofins Carlsbad

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Prep Type

Total/NA

Total/NA

Prep Type

Soluble

Soluble

Soluble

Soluble

Soluble

Soluble

Soluble

Client Sample ID

Client Sample ID

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

PH02

PH02

PH02

PH02

GC Semi VOA

Lab Sample ID

890-3792-1

890-3792-2

HPLC/IC

Analysis Batch: 44042

Leach Batch: 43788

Lab Sample ID

MB 880-43788/1-A

LCS 880-43788/2-A

LCSD 880-43788/3-A

890-3791-A-1-D MS

890-3791-A-1-E MSD

890-3792-1

890-3792-2

Prep Batch

Prep Batch

Job ID: 890-3792-1 SDG: Lea County NM

Method

8015 NM

8015 NM

Method

DI Leach

Matrix

Solid

Solid

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

2 3 4 5 6 7 8 9

Analysis	Batch:	43922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3792-1	PH02	Soluble	Solid	300.0	43788
890-3792-2	PH02	Soluble	Solid	300.0	43788
MB 880-43788/1-A	Method Blank	Soluble	Solid	300.0	43788
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	300.0	43788
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43788
890-3791-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	43788
890-3791-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43788

Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3792-1 SDG: Lea County NM

Lab Sample ID: 890-3792-1 Matrix: Solid

Lab Sample ID: 890-3792-2

Matrix: Solid

Lab

EET MID

EET MID

Date Collected: 01/09/23 10:35 Date Received: 01/10/23 09:05

Client Sample ID: PH02

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43735	01/11/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 08:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44095	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44042	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 20:50	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		5			43922	01/13/23 19:23	СН	EET MID

Client Sample ID: PH02

Prep Type

Total/NA

Total/NA

Date Collected: 01/09/23 10:40 Date Received: 01/10/23 09:05

10/25 05.00	J							
Batch	Batch		Dil	Initial	Final	Batch	Prepared	
Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst
Prep	5035			5.03 g	5 mL	43735	01/11/23 12:47	MNR
Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 08:37	MNR

Total/NA	Analysis	Total BTEX	1			44095	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM	1			44042	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep		10.04 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM	1	1 uL	1 uL	43945	01/15/23 21:54	AJ	EET MID
Soluble	Leach	DI Leach		4.97 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0	1			43922	01/13/23 19:39	СН	EET MID

Laboratory References:

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

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		Accreditation/C	ertification Summary	1
Client: Ensolum Project/Site: EVGSAU \$	SATELLITE 5			Job ID: 890-3792-1 SDG: Lea County NM
Laboratory: Eurofi				3
Unless otherwise noted, all a	nalytes for this laborator	y were covered under each acc	reditation/certification below.	
Authority		Program	Identification Number	Expiration Date 4
Texas		NELAP	T104704400-22-25	06-30-23
The following analytes	are included in this repo	rt, but the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for which
the agency does not off				
Analysis Method	Prep Method	Matrix	Analyte	6
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	
				8
				9
				1
				1
				1:
				1

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Method Summary

Job ID: 890-3792-1 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	MCAWW	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
SW846 = '	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ec = TestAmerica Laboratories, Standard Operating Procedure		
Laboratory Re	e ferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		
	,		

Protocol References:

Laboratory References:

Job ID: 890-3792-1 SDG: Lea County NM

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-3792-1	PH02	Solid	01/09/23 10:35	01/10/23 09:05	3	4
890-3792-2	PH02	Solid	01/09/23 10:40	01/10/23 09:05	4	_
						5
						6
						7
						8
						9
						12
						13

• autofine	5				C	nain oi		,			
		witcome	Environment Testing	Midi	land, TX (4	X (281) 240-4200. 132) 704-5440, Se	Midland, TX (281) 240-4200, Dailas, TA (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	004	Work Order No:	der No:	
	Xe	Xenco		EL	- Paso, TX	(915) 585-3443,	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	96			
				Н	obbs, NM	(575) 392-7550, C	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	90	www.xei	www.xenco.com Page	1e 2 of 2
Project Manager:	Hadlie Green			Bill to: (if different)	rent)	Kalei Jennings			Work	Work Order Comments	nts
	Ensolum, LLC			Company Name:	ime:	Ensolum, LLC		Progra	Program: UST/PST 🗌 PRP	PRP Brownfields RRC	RRC Superfund
	601 N Marienfeld St Suite 400	Id St Suite	400	Address:		601 N Marienf	601 N Marienfeld St Suite 400	State	State of Project:	l	
City, State ZIP:	Midland, TX 79701	701		City, State ZIP:	IP:	Midland, TX 79701	701	Report	Reporting: Level II Level III PST/UST TRRP		
	817.683.2503		Em	Email: kjennings@ensolum.com	ensolun	n.com		Delive	Deliverables: EDD	ADaPT	Other:
Project Name:	EVGSAL	EVGSAU Satellite 5		Turn Around	-		ANAL	ANALYSIS REQUEST		Pro	Preservative Codes
Project Number:	03D2	03D2057012	I Routine	le 🗌 Rush	Pres. Code					None: NO	O DI Water: H ₂ O
Project Location:	Lea Co	Lea County, NM	Due Date:	e:		_				Cool: Cool	
Sampler's Name:	Conne	Conner Shore	TAT start	TAT starts the day received by	by					HCL: HC	
PO #			the lab, if	the lab, if received by 4:30pm	1			_	-	H ₂ SO ₄ : H ₂	H ₂ NaOH: Na
SAMPLE RECEIPT	PT Temp Blank:		Ves No Wet Ice:	3: Yes No	nete					H ₃ PO ₄ : HP	ΗP
Samples Received Intact:		<u> </u>	Thermometer ID:	2022	Ð					NaHSU	NaHSU4: NABIS
Cooler Custody Seals:	Yes	NA	Correction Factor:	5	Y F					Zn Acet	Zn Acetate+NaOH: Zn
Sample Custody Seals:	Is: Yes No	NIA	Temperature Reading:		<u>·</u> P	;)	890-379	792 Chain of Custody	dy	N=OH+	NaOH+Ascophic Acid: SAPC
I Utal CUIIIamicio.			Concered Lemberatory		6	_		_	-		
Sample Identification	tification	Matrix Sa	Date Time Sampled Sampled	d Depth Grab/	ab/ # of mp Cont	TPH (8 Chlori	BTEX			Sa	Sample Comments
PH02	2	S 1.9.23	23 1035	3' G	-	×	×				
PH02	2	S 1.9.23	23 1040	4" G	<u> </u>	×	×				
-											Incident Number
			r a		-					z	NAPP2213957732
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		$\langle \rangle$			- +						
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	Ø										
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Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	10 200.8 / 6020: nd Metal(s) to be an:	020: e analyzed	8R(13PPM Texas 11 / SPLP 6010: 8R0	8RCRA St	Sb As Ba Be Sb As Ba Be	B Cd Ca Cr Co B Cd Cr Co Cu F	CuFePbMgMnN %bMnMoNiSeAg	∧oNiKSeA TIU	.g SiO ₂ Na Sr Ti Sn L Hg: 1631/245.1/7470	Sn U V Zn 7470 / 7471
Notice: Signature of this d of service. Eurofins Xenc of Eurofins Xenco. A mini	locument and relingu o will be liable only fi Imum charge of \$85.0	ishment of sar or the cost of s 00 will be appli	mples constitutes a va amples and shall not ed to each project and	alid purchase order (assume any respon d a charge of \$5 for e	from client sibility for each sampl	company to Eurofi any losses or expe e submitted to Eur	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco, its affiliates and subcontractors is a filiates and subcontractors in 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 service. 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 negotiat	ibcontractors. It assign such losses are due to 1. These terms will be er	contractors. It assigns standard terms and conditions ch losses are due to circumstances beyond the control fhese terms will be enforced unless previously negotiated	nditions e control negotiated.	
Relinquished by: (Signature)	(Signature))	Received by: (Signature)	gnature)		Date/Time	Relinquished by	by: (Signature)	Received by: (Signature)	(Signature)	Date/Time
100		22	CM2		Ť	10-28-01	Ň				
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G							0				Revised Date: 08/25/2020 Ray 2020.2

Received by OCD: 2/24/2023 2:35:14 PM

1/16/2023

Chain of Custody

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Received	by	OCD:	2/24/2	023	2:35:14	PM

Eurofins Carlsbad										nd	ç	į							
1089 N Canal St. Carlsbad, NM 86220	c	Chain of Custody Record	f Cust	ody Re	ecord							<u>kin</u> ?					.	🖑 eurofins 🗛	Environment Testing
Client Information (Sub Contract Lab)	Sampler'			Lab PM. Kramer	Lab PM. Kramer Jessica						Cam	Carrier Tracking No(s):	cking l	Vo(s);				COC No: 890-1092 1	
	Phone:			E-Mail Jessic	E-Mail Jessica Kramer@et.eurofinsus com	@et.e	urofin	sus o	m		Nev	State of Origin: New Mexico	(joo					Page: Page 1 of 1	
Company Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP Texas	s Requi	ed (Se	e note	Ť									յտե #։ 890-3792-1	
Address. 1211 W Florida Ave,	Due Date Requested 1/16/2023							Ana	Analysis Req	Re	ue	uested						ion Codes M	Hexane
City Midland	TAT Requested (days):	s;			<u>taitterit</u> setti ⁶ Sound						-						den den de	0.0 z	None AsNaO2
State, Zip: TX, 79701					<u>2380</u> 0												line y	4 cid	P Na2043 Q Na2SO3 R Na2S2O3
Phone 432-704-5440(Tel)	P0#				antena Maria		de	<u>,</u>									44.552/110	K Aold S-	H2SO4 TSP Dodecahydrate
Email	WO#				lo)			TEX										۳ < < c	Accerdine MCAA DH 4-5
Project Name EVGSAU SATELLITE 5	Project #: 89000094				es or l			OD) B									taine	х×	Y - Trizma Z other (specify)
Site:	SSOW#:				SD (Y						<u></u>						an an	Other	
		Sample	Sample Type IC=come	Matrix (Winwater Sesolid,	Id Fijlered form MS/M 5MOD_NM/8	6MOD_Calc	_ORGFM_28	1B/5035FP_	I_BIEA_GC								al Number		
Sample Identification - Client ID (Lab ID)	Sample Date			- 1	Pe	801	∞∦⊸			«	<u></u>						٥٢	Special Instructions/Note	ctions/Note
PH02 (890-3792-1)	1/9/23	10 35 Mountain		Solid	×	×	×	× U	<u>×</u>			_					145 (
PH02 (890-3792-2)	1/9/23	10 40 Mountain		Solid	×	×	×	×	<u>×</u>								é,	· · · · · · · · · · · · · · · · · · ·	
					-+					+									
								+	+	┼─┤	1-1								
											1	+							
					 														
Note: Since laboratory desendations are subject to change: Eurorins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation on the State of Orign listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	Testing South Central ove for analysis/tests/in tral, LLC attention imm	LLC places th atrix being ana rediately if all	e ownership of lyzed, the sam requested acci	method, analy ples must be s editations are o	te & accredi hipped back current to de	to the E the, retur	mplian Eurofins In the s	igned (onmen Chain c	t Testir f Cust	ng Sou	Ith Cer lesting	to sai	LC lat	ample plianc	y or o	ther i	is forwarded under chain-c instructions will be provide is Environment Testing Sc	yf-custody if the d Any changes to wth Central, LLC.
Possible Hazard Identification Unconfirmed					Sampl	Deturn To Client	osal, To C	(A fe	e ma		assessed if san Disposal By Lab	ssed ssal E	if sa 3v La	o mple	_ sa		aine	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	nth) Months
Deliverable Requested. I, II III IV Other (specify)	Primary Deliverable Rank.	ie Rank. 2			Special Instructions/QC Requirements	Instru	Ictions	VQC	Requ	ireme	nts								
Empty Kit Relinquished by:		Date:			Time:	Π		11	ł		PI	Meth	Method of Shipment:	Shipm	Ent:				
Relinquished by	Date/Time: Date/Time:		0 0	Company Company	R	ceived h	R	2		IC	K			Date	Date/Time			Co Co	Company Company
Relinguished by	Date/Time		2	Company	Rec	Received by								Date	Date/Time:			Co	Company
Custody Seals Intact: Custody Seal No. ∆ Yes ∆ No					Co	Cooler Temperature(s) *C and Other Re	peratur	o, (s)a	and C	ther R	emarks.	, v							

Ver 06/08/2021

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Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3792 List Number: 1 Creator: Clifton, Cloe

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: 890-3792-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

14

Job Number: 890-3792-1 SDG Number: Lea County NM List Source: Eurofins Midland

List Creation: 01/11/23 12:47 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3792 List Number: 2 Creator: Teel, Brianna

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

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/16/2023 6:22:59 PM

JOB DESCRIPTION

EVGSAU SATELLITE 5 SDG NUMBER Lea County NM

JOB NUMBER

890-3791-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Received by OCD: 2/24/2023 2:35:14 PM

Eurofins Carlsbad

Job Notes

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

RAMER

Generated 1/16/2023 6:22:59 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

Laboratory Job ID: 890-3791-1

SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Ensolum
Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3791-1 SDG: Lea County NM

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	6
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		8
Qualifier	Qualifier Description	e e
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	1
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	1
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	1
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	

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

RER

RPD

TEF

TEQ

TNTC

RL

Project/Site: EVGSAU SATELLITE 5

4

5

Job ID: 890-3791-1 SDG: Lea County NM

Job ID: 890-3791-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3791-1

Receipt

The samples were received on 1/10/2023 9:05 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 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH03 (890-3791-1) and PH03 (890-3791-2).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43837 and analytical batch 880-43854 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-43837/2-A), (LCSD 880-43837/3-A) and (MB 880-43837/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

01/11/23 12:47

01/11/23 12:47

01/11/23 12:47

01/11/23 12:47

01/11/23 12:47

01/11/23 12:47

Job ID: 890-3791-1 SDG: Lea County NM

Client Sample ID: PH03

Project/Site: EVGSAU SATELLITE 5

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

Result Qualifier

<0.00201 U

<0.00201 U

<0.00201 U

<0.00402 U

<0.00201 U

<0.00402 U

Date Collected: 01/09/23 12:35 Date Received: 01/10/23 09:05

Sample Depth: 3

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Lab Sample ID: 890-3791-1

Analyzed

01/14/23 07:15

01/14/23 07:15

01/14/23 07:15

01/14/23 07:15

01/14/23 07:15

01/14/23 07:15

Matrix: Solid

Dil Fac

1

1

1

1

1

1

5

	3
	4

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 - 130			01/11/23 12:47	01/14/23 07:15	
1,4-Difluorobenzene (Surr)	92		70 - 130			01/11/23 12:47	01/14/23 07:15	
- Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/16/23 16:58	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:35	
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(60)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	-	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:38	
(GRO)-C6-C10				0 0				
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:38	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:38	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	86		70 - 130			01/12/23 15:11	01/14/23 04:38	
o-Terphenyl	93		70 - 130			01/12/23 15:11	01/14/23 04:38	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2210		24.8	mg/Kg			01/13/23 19:01	
Client Sample ID: PH03						Lab Sar	nple ID: 890-	3791-
ate Collected: 01/09/23 12:50							Matri	ix: Soli
ate Received: 01/10/23 09:05								
ample Depth: 4								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/11/23 12:47	01/14/23 07:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/11/23 12:47	01/14/23 07:43	1

Eurofins Carlsbad

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

1

1

1

Client Sample Results

Limits

70 - 130

RL

RL

50.0

_

0.00404

Unit

Unit

.. ..

mg/Kg

mg/Kg

Job ID: 890-3791-1 SDG: Lea County NM

Analyzed

01/14/23 07:43

Analyzed

01/16/23 16:58

Analyzed

01/16/23 16:35

Client Sample ID: PH03

Project/Site: EVGSAU SATELLITE 5

Date Collected: 01/09/23 12:50 Date Received: 01/10/23 09:05

Sample Depth: 4

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab	Sample	ID:	890-3791-2
			Matrix: Solid

Prepared

01/11/23 12:47

Prepared

Prepared

D

D

5
6
8
9

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

%Recovery Qualifier

Result Qualifier

Result Qualifier

<50.0 U

88

<0.00404 U

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 05:00	1	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 05:00	1	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 05:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane			70 - 130			01/12/23 15:11	01/14/23 05:00	1	
o-Terphenyl	121		70 - 130			01/12/23 15:11	01/14/23 05:00	1	
Method: MCAWW 300.0 - Anions	. Ion Chromato	ography - S	oluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	

Chloride	611	5.04	mg/Kg	01/13/23 19:17	1

Eurofins Carlsbad

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Job ID: 890-3791-1 SDG: Lea County NM

Prep Type: Total/NA

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

Percent Surrogate Recovery (Acceptance Limits) DFBZ1 BFB1 5 Lab Sample ID Client Sample ID (70-130) (70-130) PH03 890-3791-1 101 92 6 890-3791-1 MS PH03 116 95 890-3791-1 MSD PH03 111 96 PH03 88 890-3791-2 101 LCS 880-43735/1-A Lab Control Sample 105 102 Lab Control Sample Dup 105 LCSD 880-43735/2-A 106 MB 880-43732/5-A Method Blank 71 89 MB 880-43735/5-A Method Blank 75 90 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	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
23613-A-1-D MS	Matrix Spike	99	80	
3613-A-1-E MSD	Matrix Spike Duplicate	83	75	
791-1	PH03	86	93	
91-2	PH03	115	121	
)-43837/2-A	Lab Control Sample	138 S1+	124	
880-43837/3-A	Lab Control Sample Dup	140 S1+	130	
380-43837/1-A	Method Blank	186 S1+	164 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4373	2/5-A								Client Sa	mple ID: N	/lethod	l Blank
Matrix: Solid										Prep T	ype: To	otal/NA
Analysis Batch: 43878										Prep	Batch:	43732
	MI	B MB										
Analyte	Resu	t Qualifier		RL	Unit		D	P	repared	Analyze	ed	Dil Fac
Benzene	<0.0020	D U	0.002	200	mg/K	g	_	01/1	1/23 12:26	01/13/23 1	7:05	1
Toluene	<0.0020	U C	0.002	200	mg/K	g		01/1	1/23 12:26	01/13/23 1	7:05	1
Ethylbenzene	< 0.0020	U C	0.002	200	mg/K	g		01/1	1/23 12:26	01/13/23 1	7:05	1
m-Xylene & p-Xylene	<0.0040	D U	0.004	400	mg/K	g		01/1	1/23 12:26	01/13/23 1	7:05	1
o-Xylene	<0.0020	U C	0.002	200	mg/K	g		01/1	1/23 12:26	01/13/23 1	7:05	1
Xylenes, Total	<0.0040	D U	0.004	400	mg/K	g		01/1	1/23 12:26	01/13/23 1	7:05	1
	М	3 <i>MB</i>										
Surrogate	%Recover	y Qualifier	Limits					P	repared	Analyze	ed	Dil Fac
4-Bromofluorobenzene (Surr)	7	1	70 - 13	0				01/1	1/23 12:26	01/13/23 1	7:05	1
1,4-Difluorobenzene (Surr)	8	9	70 - 13	0				01/1	1/23 12:26	01/13/23 1	7:05	1
Lab Sample ID: MB 880-4373	5/5-A								Client Sa	mple ID: N	/lethod	l Blank
Matrix: Solid										Prep T	ype: To	otal/NA
Analysis Batch: 43878												43735
	М	B MB										
Analyte	Resu	t Qualifier		RL	Unit		D	P	repared	Analyze	ed	Dil Fac
Benzene	<0.0020	D U	0.002	200	mg/K	g	_	01/1	1/23 12:47	01/14/23 0		1
Toluene	<0.0020	U U	0.002	200	mg/K	g		01/1	1/23 12:47	01/14/23 0	6:48	1
Ethylbenzene	<0.0020	U U	0.002	200	mg/K	-		01/1	1/23 12:47	01/14/23 0	6:48	1
m-Xylene & p-Xylene	<0.0040		0.004	400	mg/K			01/1	1/23 12:47	01/14/23 0		1
o-Xylene	< 0.0020		0.002		mg/K	-			1/23 12:47	01/14/23 0		1
Xylenes, Total	<0.0040		0.004	100	mg/K	-			1/23 12:47	01/14/23 0		1
	М	3 <i>MB</i>										
Surrogate	%Recover		Limits					P	repared	Analyze	ed	Dil Fac
4-Bromofluorobenzene (Surr)		·	70 - 13						1/23 12:47	01/14/23 (1
1,4-Difluorobenzene (Surr)	9	0	70 - 13	0				01/1	1/23 12:47	01/14/23 0	6:48	1
_												
Lab Sample ID: LCS 880-4373	35/1-A						C	lient	Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid										Prep T	ype: To	otal/NA
Analysis Batch: 43878										Prep	Batch:	43735
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Benzene			0.100	0.1102		mg/Kg		- —	110	70 - 130		
Toluene			0.100	0.09645		mg/Kg			96	70 - 130		
Ethylbenzene			0.100	0.09590		mg/Kg			96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1983		mg/Kg			99	70 - 130		
o-Xylene			0.100	0.09743		mg/Kg			97	70 - 130		
	LCS LC	S										
Surrogate	%Recovery Qu	alifier	Limits									
4-Bromofluorobenzene (Surr)	105		70 - 130									
1,4-Difluorobenzene (Surr)	102		70 - 130									
Lab Sample ID: LCSD 880-43	735/2-A					CI	ient	Sam	ple ID: L	ab Control	Samn	le Dup
Matrix: Solid								Carl				otal/NA
Analysis Batch: 43878												43735
Analysis Baton 40070			Spike	LCSD	LCSD					%Rec	Daton.	RPD
Analyte			Added		Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Benzene	· ·		0.100	0.1207		mg/Kg			121	70 - 130	9	35
23.120110			0.100	5.1201						100	3	00

5

Job ID: 890-3791-1

SDG: Lea County NM

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3791-1 SDG: Lea County NM

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

Lab Sample ID: LCSD 880-4373	35/2-A					Clier	nt Sam	ple ID:	Lab Contro		-
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 43878									Prep	Batch:	43735
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.1052		mg/Kg		105	70 - 130	9	35
Ethylbenzene			0.100	0.1064		mg/Kg		106	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2215		mg/Kg		111	70 - 130	11	3
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130	11	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Lab Comple ID: 000 2704 4 MC									Client Cor		DUO
Lab Sample ID: 890-3791-1 MS									Client Sar		
Matrix: Solid										ype: To	
Analysis Batch: 43878	. .	•	• "							Batch:	43/3
		Sample	Spike		MS		_		%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201		0.101	0.1038		mg/Kg		103	70 - 130		
Toluene	<0.00201	U	0.101	0.09117		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08880		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1824		mg/Kg		90	70 - 130		
o-Xylene	<0.00201	U	0.101	0.08945		mg/Kg		89	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	116		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								
Lab Sample ID: 890-3791-1 MS	D								Client Sar	nple ID:	PH0:
Matrix: Solid										ype: To	
Analysis Batch: 43878										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00201		0.0990	0.08711		mg/Kg		88	70 - 130	17	3
Toluene	<0.00201	U	0.0990	0.07304		mg/Kg		74	70 - 130	22	35
Ethylbenzene	<0.00201	U	0.0990	0.07264		mg/Kg		73	70 - 130	20	3
m-Xylene & p-Xylene	<0.00402		0.198	0.1486		mg/Kg		75	70 - 130	20	3
o-Xylene	<0.00201		0.0990	0.07570		mg/Kg		76	70 - 130	17	3
	MSD	MSD									
	1100										
Surrogate	%Recovery	Qualifier	Limits								
Surrogate 4-Bromofluorobenzene (Surr)		Qualifier	Limits 70 - 130								

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

Lab Sample ID: MB 880-43837/1-A Matrix: Solid						Client Sa	mple ID: Metho Prep Type: ⁻	
Analysis Batch: 43854							Prep Batch	n: <mark>43837</mark>
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1
(GRO)-C6-C10								

Eurofins Carlsbad

Released to Imaging: 3/7/2023 2:51:14 PM

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3791-1 SDG: Lea County NM

Lab Sample ID: MB 880-43837/	/1 -A								Client S	ample ID: M	lethod	Blank
Matrix: Solid										Prep Ty		
Analysis Batch: 43854											Batch:	
,		МВ	мв									
Analyte	Re		Qualifier	RL		Unit		DF	Prepared	Analyze	d	Dil Fac
Diesel Range Organics (Over		50.0		50.0		mg/K	a		12/23 15:11	01/13/23 19		1
C10-C28)			-				5					-
Oll Range Organics (Over C28-C36)	<	50.0	U	50.0		mg/K	g	01/	12/23 15:11	01/13/23 19	9:51	1
	~ 5		MB	,				-				
Surrogate	%Reco	-	Qualifier S1+	<u>Limits</u> 70 _ 130					Prepared	Analyze		Dil Fac
1-Chlorooctane									12/23 15:11 12/23 15:11			
o-Terphenyl		164	51+	70 - 130				01/	12/23 15:11	01/13/23 1	9:51	1
Lab Sample ID: LCS 880-43837	7/2-4							Clien	t Sample	ID: Lab Co	ntrol Se	amnlo
Matrix: Solid								SIGI	. campie	Prep Ty		
Analysis Batch: 43854											Batch:	
Analysis Duton. 40004				Spike	LCS	LCS				%Rec	Jacon.	
Analyte				Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics				1000	1056		mg/Kg	<u> </u>	106	70 - 130		
(GRO)-C6-C10					1000							
Diesel Range Organics (Over				1000	1099		mg/Kg		110	70 - 130		
C10-C28)												
	LCS	105										
Surrogate		Quali	ifior	l imits								
Surrogate	%Recovery		ifier	<i>Limits</i>								
1-Chlorooctane o-Terphenyl	%Recovery 138 124		ifier	Limits 70 - 130 70 - 130			0			ah Cantral	Commi	
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854	%Recovery 138 124		ifier	70 - 130 70 - 130			Clie	ent San	nple ID: L		-	tal/NA 43837
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854	%Recovery 138 124		ifier	70 - 130 70 - 130 Spike		LCSD			-	Prep Ty Prep I %Rec	pe: To Batch:	tal/NA 43837 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte	%Recovery 138 124		ifier	70 - 130 70 - 130 Spike Added	Result	LCSD Qualifier	Unit	ent San	%Rec	Prep Ty Prep I %Rec Limits	RPD	tal/NA 43837 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics	%Recovery 138 124		ifier	70 - 130 70 - 130 Spike					-	Prep Ty Prep I %Rec	pe: To Batch:	tal/NA 43837 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 138 124		ifier	70 - 130 70 - 130 Spike Added 1000	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA 43837 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 138 124		ifier	70 - 130 70 - 130 Spike Added	Result		Unit		%Rec	Prep Ty Prep I %Rec Limits	RPD	tal/NA 43837 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 138 124 37/3-A	<u>S1+</u>		70 - 130 70 - 130 Spike Added 1000	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA 43837 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 138 124 37/3-A	LCSE		70 - 130 70 - 130 Spike Added 1000	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA 43837 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 138 124 37/3-A 	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA 43837 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Malyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery 138 124 37/3-A 	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 138 124 37/3-A 	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000	Result 1032		Unit mg/Kg		%Rec	Prep Ty Prep I %Rec Limits 70 - 130	RPD 2	tal/NA 43837 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 138 124 37/3-A <i>LCSD</i> %Recovery 140 130	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130	Result 1032		Unit mg/Kg		%Rec 103 104	Prep Ty Prep I %Rec Limits 70 - 130 70 - 130	rpe: Tod Batch: RPD 2 6	tal/NA 43837 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1	%Recovery 138 124 37/3-A <i>LCSD</i> %Recovery 140 130	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130	Result 1032		Unit mg/Kg		%Rec 103 104	Prep Ty Prep I %Rec Limits 70 - 130 70 - 130 Sample ID:	rpe: To Batch: RPD 2 6 Matrix	tal/NA 43837 RPD Limit 20 20 Spike
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1 Matrix: Solid	%Recovery 138 124 37/3-A <i>LCSD</i> %Recovery 140 130	LCSE Quali		70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130	Result 1032		Unit mg/Kg		%Rec 103 104	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep Ty	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1	%Recovery 138 124 37/3-A <i>LCSD</i> %Recovery 140 130 -D MS	S1+ LCSE Quali S1+) ifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 70 - 130 70 - 130	Result 1032 1039	Qualifier	Unit mg/Kg		%Rec 103 104	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep Ty Prep E	rpe: To Batch: RPD 2 6 Matrix	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1 Matrix: Solid Analysis Batch: 43854	%Recovery 138 124 37/3-A LCSD %Recovery 140 130 -D MS Sample	LCSE Quali S1+) ifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 70 - 130 70 - 130 70 - 130	Result 1032 1039 MS	Qualifier	<mark>Unit</mark> mg/Kg mg/Kg	<u>D</u>	%Rec 103 104 Client	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Sample ID: Prep Ty Prep E %Rec	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics	%Recovery 138 124 37/3-A <i>LCSD</i> %Recovery 140 130 -D MS	S1+ LCSE Quali S1+ Samp Quali) ifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 70 - 130 70 - 130	Result 1032 1039 MS	Qualifier MS Qualifier	Unit mg/Kg		%Rec 103 104	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep Ty Prep E	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 138 124 37/3-A LCSD %Recovery 140 130 -D MS Sample Result <49.9	S1+ LCSE Quali S1+ Samp Quali U F1) ifier	70 - 130 70 - 130 70 - 130 1000 1000 1000 1000 1000 1000 5pike 70 - 130 70 - 130 70 - 130 998	Result 1032 1039 MS Result 2514	Qualifier MS Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 103 104 Client %Rec 248	Prep Ty %Rec Limits 70 - 130 70 - 130 70 - 130 %Rec y Prep Ty Prep Ty Prep Ty %Rec Limits 70 - 130	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-1 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics	%Recovery 138 124 37/3-A LCSD %Recovery 140 130 -D MS Sample Result	S1+ LCSE Quali S1+ Samp Quali U F1) ifier	70 - 130 70 - 130 Spike Added 1000 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 1032 1039 MS Result	Qualifier MS Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 103 104 Client	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-13 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 138 124 37/3-A LCSD %Recovery 140 130 -D MS Sample Result <49.9	S1+ LCSE Quali S1+ Samp Quali U F1 U) ifier	70 - 130 70 - 130 70 - 130 1000 1000 1000 1000 1000 1000 5pike 70 - 130 70 - 130 70 - 130 998	Result 1032 1039 MS Result 2514	Qualifier MS Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 103 104 Client %Rec 248	Prep Ty %Rec Limits 70 - 130 70 - 130 70 - 130 %Rec y Prep Ty Prep Ty Prep Ty %Rec Limits 70 - 130	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4383 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-23613-A-13 Matrix: Solid Analysis Batch: 43854 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 138 124 37/3-A LCSD %Recovery 140 130 -D MS Sample Result <49.9	S1+ LCSE Quali S1+ Samp Quali U F1 U	o ifier	70 - 130 70 - 130 70 - 130 1000 1000 1000 1000 1000 1000 5pike 70 - 130 70 - 130 70 - 130 998	Result 1032 1039 MS Result 2514	Qualifier MS Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 103 104 Client %Rec 248	Prep Ty %Rec Limits 70 - 130 70 - 130 70 - 130 %Rec y Prep Ty Prep Ty Prep Ty %Rec Limits 70 - 130	RPD 2 6 Matrix rpe: Tot	tal/NA 43837 RPD Limit 20 20 20 Spike tal/NA

80

o-Terphenyl

70 - 130

Job ID: 890-3791-1 SDG: Lea County NM

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

Lab Sample ID: 880-23613-A Matrix: Solid									D: Matrix S	ріке Бир Туре: То	
Analysis Batch: 43854	Sampla	Sample	Spike	Men	MSD				%Rec	Batch:	RPE
Analyto	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Analyte		U F1 F2	997	883.6			<u></u>	85	70 - 130	96	2
Gasoline Range Organics (GRO)-C6-C10					ΓZ	mg/Kg					
Diesel Range Organics (Over C10-C28)	<49.9	U	997	906.2		mg/Kg		91	70 - 130	9	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	75		70 - 130								
Lab Sample ID: MB 880-4378 Matrix: Solid Analysis Batch: 43922	88/1 -A	МВ МВ						Client S	Sample ID: Prep	Method Type: S	
Analyte	R	esult Qualifier		RL	Unit		D P	repared	Analy	zed	Dil Fa
Chloride		5.00 U		5.00	0mit mg/K			repared	01/13/23		Dirra
	788/2-A						onent	oumpic	D: Lab C Prep		
Matrix: Solid	788/2-A		Spike	LCS	LCS		onen	oumpic	Prep	Type: S	
Matrix: Solid Analysis Batch: 43922	788/2-A		Spike Added		LCS Qualifier	Unit	D	%Rec			
Matrix: Solid Analysis Batch: 43922 ^{Analyte}						_ <mark>Unit</mark> mg/Kg		-	Prep %Rec		
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid			Added	Result		mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	olubl
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid			Added 250	Result 256.1	Qualifier	mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S	olubi le Du olubi
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922			Added 250 Spike	Result 256.1	Qualifier	mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S DI Sampl Type: S	olubi le Duj olubi RP
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43922 Analyte			Added 250	Result 256.1	Qualifier	mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S	olubi le Du olubi RP Lim
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 Matrix: Solid	3788/3-A		Added 250 Spike Added	Result 256.1 LCSD Result	Qualifier	mg/Kg Clie Unit	D	%Rec 102 aple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sat	Type: S DI Sampl Type: S <u>RPD</u> 1	olubi le Du olubi RPI Lim 2 : PH0
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 Matrix: Solid	3788/3-A 		Added 250 Spike Added	Result 256.1 LCSD Result 252.7	Qualifier	mg/Kg Clie Unit	D	%Rec 102 aple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sat	Type: S ol Sampl Type: S <u>RPD</u> 1 mple ID:	elubli le Duj olubli RPI Lim 2 : PH0
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922	3788/3-A MS Sample	Sample Qualifier	Added 250 Spike Added 250	Result 256.1 LCSD Result 252.7 MS	Qualifier LCSD Qualifier	mg/Kg Clie Unit	D	%Rec 102 aple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sau Prep	Type: S ol Sampl Type: S <u>RPD</u> 1 mple ID:	olubi le Du olubi RP Lim 2 : PH0
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922 Analyte	3788/3-A MS Sample	-	Added 250 Spike Added 250 Spike	Result 256.1 LCSD Result 252.7 MS	Qualifier LCSD Qualifier MS	Unit mg/Kg	D_ nt Sam D_	%Rec 102 uple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sat Prep %Rec	Type: S ol Sampl Type: S <u>RPD</u> 1 mple ID:	olubi le Du olubi RP Lim 2 : PH0
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid	3788/3-A 3788/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ nt Sam D_	%Rec 102 uple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S RPD 1 mple ID: Type: S	ele Du olubi RP Lim 2 : PH0 olubi
Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid	3788/3-A 3788/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ nt Sam D_	%Rec 102 uple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San Prep %Rec Limits 90 - 110	Type: S ol Sampl Type: S <u> RPD </u> 1 mple ID: Type: S 	olubi le Du olubi <u>RP</u> Lim 2 : PH0 olubi
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: LCSD 880-43 Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922 Analyte Chloride Lab Sample ID: 890-3791-1 M Matrix: Solid Analysis Batch: 43922 Analyte Chloride	3788/3-A 3788/3-A VIS <u>Sample</u> 2210 VISD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 1240	Result 256.1 LCSD Result 252.7 MS Result 3493	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	D_ nt Sam D_	%Rec 102 uple ID: %Rec 101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sa Prep %Rec Limits 90 - 110 Client Sa Prep	Type: S ol Sampl Type: S <u> RPD </u> 1 mple ID: Type: S 	olubi le Duj olubi Lim 2 PH0 olubi

QC Association Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5

Job ID: 890-3791-1 SDG: Lea County NM

GC VOA

Prep Batch: 43732

ab Sample ID IB 880-43732/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	<u>Method</u> 5035	Prep Batch
ep Batch: 43735					
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
90-3791-1	PH03	Total/NA	Solid	5035	
90-3791-2	PH03	Total/NA	Solid	5035	
B 880-43735/5-A	Method Blank	Total/NA	Solid	5035	
CS 880-43735/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-43735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
90-3791-1 MS	PH03	Total/NA	Solid	5035	
90-3791-1 MSD	PH03	Total/NA	Solid	5035	

rep Batch: 43732					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-43732/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 43735					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	5035	
890-3791-2	PH03	Total/NA	Solid	5035	
MB 880-43735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3791-1 MS	PH03	Total/NA	Solid	5035	
890-3791-1 MSD	PH03	Total/NA	Solid	5035	
nalysis Batch: 43878					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	8021B	43735
	11100				43735
	PH03	Total/NA	Solid	8021B	43735
890-3791-2		Total/NA Total/NA	Solid Solid	8021B 8021B	43735
890-3791-2 MB 880-43732/5-A	PH03				
890-3791-2 MB 880-43732/5-A MB 880-43735/5-A	PH03 Method Blank	Total/NA	Solid	8021B	43732
890-3791-2 MB 880-43732/5-A MB 880-43735/5-A LCS 880-43735/1-A	PH03 Method Blank Method Blank	Total/NA Total/NA	Solid Solid	8021B 8021B	43732 43735
890-3791-2	PH03 Method Blank Method Blank Lab Control Sample	Total/NA Total/NA Total/NA	Solid Solid Solid	8021B 8021B 8021B	43732 43735 43735

Analysis Batch: 44094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	Total BTEX	
890-3791-2	PH03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	8015NM Prep	
890-3791-2	PH03	Total/NA	Solid	8015NM Prep	
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43854

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	8015B NM	43837
890-3791-2	PH03	Total/NA	Solid	8015B NM	43837
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015B NM	43837
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43837
LCSD 880-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43837
880-23613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43837
880-23613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43837

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Client: Ensolum Project/Site: EVGSAU SATELLITE 5

GC Semi VOA

Analysis Batch: 44032

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3791-1	PH03	Total/NA	Solid	8015 NM	
890-3791-2	PH03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3791-1	PH03	Soluble	Solid	DI Leach	
890-3791-2	PH03	Soluble	Solid	DI Leach	
MB 880-43788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3791-1 MS	PH03	Soluble	Solid	DI Leach	
890-3791-1 MSD	PH03	Soluble	Solid	DI Leach	

Analysis Batch: 43922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3791-1	PH03	Soluble	Solid	300.0	43788	
890-3791-2	PH03	Soluble	Solid	300.0	43788	1
MB 880-43788/1-A	Method Blank	Soluble	Solid	300.0	43788	
LCS 880-43788/2-A	Lab Control Sample	Soluble	Solid	300.0	43788	
LCSD 880-43788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43788	
890-3791-1 MS	PH03	Soluble	Solid	300.0	43788	
890-3791-1 MSD	PH03	Soluble	Solid	300.0	43788	

Job ID: 890-3791-1 SDG: Lea County NM

Project/Site: EVGSAU SATELLITE 5

5

9

Job ID: 890-3791-1 SDG: Lea County NM

Lab Sample ID: 890-3791-1 Matrix: Solid

Lab Sample ID: 890-3791-2

Matrix: Solid

Date Collected: 01/09/23 12:35 Date Received: 01/10/23 09:05

Client Sample ID: PH03

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			4.97 g	5 mL	43735	01/11/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 07:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44094	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44032	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 04:38	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		5			43922	01/13/23 19:01	СН	EET MID

Client Sample ID: PH03

Date Collected: 01/09/23 12:50 Date Received: 01/10/23 09:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43735	01/11/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43878	01/14/23 07:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44094	01/16/23 16:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44032	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 05:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43788	01/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			43922	01/13/23 19:17	СН	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Job ID: 890-3791-1
SDG: Lea County NM

Project/Site: EVGSAU SATELLITE 5 Laboratory: Eurofins Midland

Client: Ensolum

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

uthority	Pi	rogram	Identification Number	Expiration Date
exas	N	ELAP	T104704400-22-25	06-30-23
• ,		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
the agency does not of Analysis Method		Matrix	Analyte	
the agency does not of Analysis Method 8015 NM	fer certification . Prep Method	Matrix Solid	Analyte Total TPH	

Eurofins Carlsbad

Method Summary

Job ID: 890-3791-1 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	MCAWW	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
SW846 = '	"Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Evaluation 2018		
TAL SOP :	 TestAmerica Laboratories, Standard Operating Procedure 		
Laboratory Re	eferences:		
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Protocol References:

Laboratory References:

Sample Summary

Client: Ensolum Project/Site: EVGSAU SATELLITE 5 Job ID: 890-3791-1 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth			
890-3791-1	PH03	Solid	01/09/23 12:35	01/10/23 09:05	3			
890-3791-2	PH03	Solid	01/09/23 12:50	01/10/23 09:05	4			
Notice: Signature of this document and reinquisiment 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 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 \$8.00 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.	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Pb M Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb M	Sample Identification Matrix Date Sampled Time Sampled Depth Sampled Grab/ Sampled # of Somp # of Cont PH03 S 1.9.23 1235 3' G 1 x x PH03 S 1.9.23 1250 4' G 1 x x x PH03 S 1.9.23 1250 4' G 1 x x x	Lea County, NM Due Date: x: Conner Shore TAT starts the day received by x: Conner Shore TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by 4:30pm red Intact: (res) No Wet Ice: ves No Thermometer ID: Ves No VA Ves No Ves No <	Project Name: EVGSAU Satellite 5 Turn Around Pres.	City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 Phone: 817.683.2503 Email: kjennings@ensolum.com	Company Name: Ensolum, LLC Company Name: Ensolum, LLC Address: 601 N Marienfeld St Suite 400 Address: 601 N Marienfeld St Suite 400	Project Manager: Hadlie Green Bill to: (if different) Kalei Jennings	Environment Testing Midiand, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midiand, 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
--	---	--	---	--	--	---	--	---
stances beyond the control Juniess previously negotiated.	Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr TI Sn U V Zn In Mo Ni Se Ag TI U Hg: 1631/245.1/7470 / 7471	Sample Comments Incident Number NAPP2213957732	Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaCH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	None: NO DI Water: H ₂ O	Reporting: Level II U Level III U PST/UST U TRRP U Level IV Deliverables: EDD ADaPT O Other:	<u>v</u> .	S	Work Order No:

Received by OCD: 2/24/2023 2:35:14 PM

1/16/2023

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Chain of Custody

200	4
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Received by	OCD:	2/24/2023	2:35:14	PM
				No.
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Ver: 06/08/2021														
		r Remarks	Cooler Temperature(s) °C and Other Remarks	iture(s)	empera	poler T	Q						ai No.	Custody Seals Intact: Custody Seal No
Company	Date/Time:				i by:	Received by	- 2		Company			Date/Time.		Relinquished by
Company	Date/Time [,]			-	by	Received by	R		Company			Date/Time:		Relinquished by:
Company	Date/Time:	P	2	E		La la	-30		Company			Date/ Ime:		
	Method of Shipment	Method				p	, ei	Time [,]			Date			Empty Kit Relinquished by
		ments.	Special Instructions/QC Requirements	ons/Q	tructio	al Ins	Speci			N	able Rank.	Primary Deliverable Rank.	Other (specify)	1, III, IV
For Months	Sample Ursposal (A ree may be assessed in samples are retained longer than 1 month)	Disposal By Lab	fee may b	Return To Client	spos m To	Retu								
orwarded under chain-of-custody If the tructions will be provided. Any changes to Environment Testing South Central, LLC,	 This sample shipment is t LLC laboratory or other ins said compliance to Eurofins 	contract laboratories sting South Central ustody attesting to a	pon our subc vironment Te d Chain of Cu	fins Er e signe	t comp te Euro	ditatio date n	i accre ped ba ent to	be ship are cun	ship of method, and le samples must i id accreditations a	is the owners analyzed, th f all requeste	al, LLC place (matrix being (mediately. II	Testing South Centr ve for analysis/tests rat, LLC attention in	ct to change, Eurofins Environment uton in the State of Origin listed aby ins Environment Testing South Cen	Income survey accessible on an expect to change. Eurorine Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance unrently maintain accreditation in the State of Origin fisted above for analysis/hearst/method being analyzed, the samples must be shipped back to the Eurofine Environment Testing South Central. LLC alternton immediately. If all requested accreditations are current to tate fragment to state of Origin fisted above for analysis/hearst/method being analyzed, the samples must be shipped back to the Eurofine Environment Testing South Central. LLC alternton immediately. If all requested accreditations are current to tate fretum the signed Chain of Custody attesting to said compliance to Eurofine Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to tate fretum the signed Chain of Custody attesting to said compliance to Eurofine Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to tate fretum the signed Chain of Custody attesting to said compliance to Eurofine Environment Testing South Central, LLC.
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			X	×	×	××			Solid		12:50 Mountain	1/9/23		PH03 (890-3791-2)
			×	×	×	××			Solid	<u> </u>	12 35 Mountair	1/9/23		PH03 (890-3791-1)
	X				turki 1		X	with		Prese	X	\mathbb{N}		
Special Instructions/Note	Total Numbe		Total_BTEX_G	80218/6036FP	300_ORGFM_	8015MOD_NM 8015MOD_Cal	Perform MS/	5 Field Filtered	e Matrix (viewater S=solid, IP, Oswasteloli, b) BT=Tissue, A=Air	Sample Type (C=comp, G=grab)	Sample Time	Sample Date	10)	Sample identification - Client ID (Lab ID)
Other -	1. 1. le Mart		icv	_Calc (I				l Samp				SSOW#:		anc
N -2	ر م			NOD) B	LEAGH	1_5_Pr	1. anti-1. an	le (Ye				Project#. 89000094		Proyect Name EVGSAU SATELLITE 5
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¥ cid	ר אוני היו היו כ							nendadoù a						State Zip: TX, 79701
oz				-	\neg						ays):	TAT Requested (days):		City- Midland
1 Code	Pr	lequested	Analysis Req	≥							ed	Due Date Requested 1/16/2023		Address. 1211 W Florida Ave,
Job #: 890-3791-1	38 lor	,	ste):	(See n	quired IS	ons Re Texa	Accreditations Required (See note): NELAP Texas	NE 8					Centr	Company Eurofins Environment Testing South Centr
Page Page 1 of 1	-	State of Origin: New Mexico	com	finsu	teuro	er@e	Kram	E-Mail Jessica Kramer@et.eurofinsus com	Je			Phone.		Client Cantact Shipping/Receiving
COC No. 890-1092 1		Carrier Tracking No(s)				ß	Jessi	Lab PM. Kramer Jessica	Ka			Sampler	(Sub Contract Lab)	ormation
Environment Testing						2	Ì		A DECU				-3199	Carlsbad NM 88220 Phone: 575-988-3199 Fax: 575-988-3199
🐝 eurofins						2	ź	D P	Chain of Cuetody Record		Chain	_		CUFOTINS CARSDAD 1089 N Canal St.

14

Job Number: 890-3791-1 SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3791 List Number: 1 Creator: Clifton, Cloe

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

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Job Number: 890-3791-1 SDG Number: Lea County NM List Source: Eurofins Midland

List Creation: 01/11/23 12:47 PM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 3791 List Number: 2 Creator: Teel, Brianna

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



APPENDIX D

Final C-141

Released to Imaging: 3/7/2023 2:51:14 PM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018

PageH50eof 157

Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NAPP2213957732
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips	OGRID	217817
Contact Name	Charles Beauvais	Contact Telephone	(575) 988-2043
Contact email	Charles.R.Beauvais@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2213957732
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

Location of Release Source

Latitude

32.806667

Longitude -103.431389

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	EVGSAU Satellite 5	Site Type Tank Battery
Date Release Discov	^{ered} May 5, 2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	26	17S	35E	Lea

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Volume Released (bbls) 0.9	Volume Recovered (bbls) 0
Volume Released (bbls) 17.4	Volume Recovered (bbls) 2
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Ves No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) 17.4 Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Cause of Release

The release was caused by a leaking transfer pump.

Dogo	n
1 age	4

Oil Conservation Division

Incident ID	NAPP2213957732
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
Yes X No	
If YES, was immediate ne	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name Brittany N. Esparza	Title: Environmental Technician
Signature:	Date: 5/19/2022
email: Brittany.Esparza@ConocoPhillips.com	Telephone: (432) 221-0398
OCD Only	
Received by:	Date:

<i>Received by OCD: 2/24/2023 2:35:14 PM</i>	f4	
	30	
	age	
	P	

Received by OCD: 2/24/2023 2:35:14 PM	Page 3 of 4								Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	3.699	13.697	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.396
	N A BB3213067733	76//66612			ECOVERED 2 BBLS .			ai	Volume of Spilled Oil Liv (bbl.)	0.195	0.721	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.916
		NAFF2.			R PUMP LEAKING . R		tion factor	f No, use factors above	Percentage of Oil if Spilled Fluid is a Mixture	5.00%	5.00%									
					VD FOUND TRANFEF		soil spilled-fluid satura	uid saturation factor, il	Total Estimated Volume of Spill (bbl.)	3.894	14.418	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.312
oiii voiume Estimate Form					MELLED OIL AND DROVE BY SATELLITE 5 AND FOUND TRANFER PUMP LEAKING. RECOVERED 2 BBLS	Spill Calculation - Subsurface Spill - Rectangle	On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor	On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.	Estimated volume of each area (bbl.)	37.083	106.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Total Volume Release:
L48 51	E5				Provide any known details about the event. COMING INTO WORK MY ROUTE PARTNER SMELLED	Spill Calculation - S		Yes, On F	Soil Spilled-Fluid Saturation	10.50%	13.50%									
	EVGSAU SATELLITI	Asset Area: SENM (Buckeye)	5/5/2022	Oil Mixture	COMING INTO WOR				Depth (in.)	2.00	3.00									
	1512043Wumper.	Asset Area:	Release Discovery Date & Time:	Release Type: (ils about the event: (Was the release on pad or off-pad?	Has it rained at least a half inch in the last 24 hours?	Width (ft.)	50.0	40.0								4:34:15 PM	
	5/19/2022/4/1		Release Disco		e any known deta		Was the release	least a half inch ir	Length (ft.)	25.0	50.0								ng: 5/19/2022	
Released to Imaging: 3/7/2023 2:51:14 PM	Received by OCD.				Provid			Has it rained at	Convert Irregular shape to a series of rectangles	Rectangle A	Rectangle B	Rectangle C	Rectangle D	Rectangle E	Rectangle F	Rectangle G	Rectangle H	Rectangle I	Reltassed to Imaging: 5/19/2022 4:34:15 PM	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

CONDITIONS

Operator:	OGRID:
CONOCOPHILLIPS COMPANY	217817
600 W. Illinois Avenue	Action Number:
Midland, TX 79701	108869
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	5/19/2022

Action 108869

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Oil Conservation Division

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Incident ID	NAPP2213957732	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🔀 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- \boxtimes Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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			Incident ID	NAPP2213957732			
age 4	Oil Conservation Division		District RP				
			Facility ID				
			Application ID				
public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name:Bryco Signature:	n TT	CD does not relieve the t to groundwater, surfa	e operator of liability sh ace water, human health liance with any other fe st	ould their operations have or the environment. In			
OCD Only Received by:		Date:					

Received by OCD: 2/24/2023 2:35:14 PM Form C-141 State of New Mexico

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Oil Conservation Division

Incident ID	NAPP2213957732
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.						
Extents of contamination must be fully delineated.						
Contamination does not cause an imminent risk to human heal	th, the environment, or groundwater.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.						
Printed Name:Bryce Wagoner	Title:Permian HSE Specialist					
Signature: Rys Work TT	Date:02/27/2023					
email:bryce.wagoner@mavresources.com	Telephone:928-241-1862					
OCD Only						
Received by:	Date:					
Approved Approved with Attached Conditions of	of Approval Denied Deferral Approved					
Signature:	Date: 03/07/2023					

•

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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

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1111 Bagby Street Suite 1600	Action Number:
Houston, TX 77002	190511
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Remediation Plan Approved.	3/7/2023

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Action 190511