Page 1 of 166

Incident ID	NAPP2229033410
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following item	ns must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	NMAC
Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC D	vistrict office must be notified 2 days prior to final sampling)
Description of remediation activities	
In hereby certify that the information given above is true and complete that describe and regulations all operators are required to report and/or file certain remay endanger public health or the environment. The acceptance of a Coshould their operations have failed to adequately investigate and remechanan health or the environment. In addition, OCD acceptance of a Compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditaccordance with 19.15.29.13 NMAC including notification to the OCE Printed Name:Charles Beauvais	C-141 report by the OCD does not relieve the operator of liability diate contamination that pose a threat to groundwater, surface water, 2-141 report does not relieve the operator of responsibility for ns. The responsible party acknowledges they must substantially tions that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:02/28/2023
	liability should their operations have failed to adequately investigate and ter, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: Robert Hamlet	Date: 6/29/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced



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: Closure Request

Triste Draw 5 Federal 001H

Incident Number NAPP2229033410

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the Triste Draw 5 Federal 001H (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address waste-containing soil resulting from a release of produced water onto an adjacent right-of-way (ROW) to the Site. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, COG is submitting this *Closure Request*, describing remediation that has occurred and requesting no further action for Incident Number NAPP2229033410.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 12, Township 24 South, Range 31 East, in Eddy County, New Mexico (32.238333°, -103.723333°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 5, 2022, corrosion of a salt water disposal (SWD) pipeline resulted in the release of approximately 5.84 barrels (bbls) of produced water onto the pipeline ROW. No free-standing fluids were recovered. COG reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on October 5, 2022 and submitted a Release Notification Form C-141 (Form C-141) on October 17, 2022. The release was assigned Incident Number NAPP2229033410.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04672 POD 1, located approximately 0.5 miles northwest of the Site. The groundwater well has a reported depth to groundwater, measured in September 2022, greater than 110 feet bgs. Ground surface elevation at the

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

Page 2

groundwater well location is 3,527 feet above mean sea level (amsl), which is approximately 13 feet lower in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland, located approximately 7,089 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

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

SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On October 21, 2022 and December 12, 2022, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Seven preliminary assessment soil samples (SS01 through SS07) were collected within and around the release extent, as defined by observed surficial soil staining, at a depth of 0.2 feet bgs, to assess the lateral extent of the release. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. A photographic log is included in Appendix B.

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

Laboratory analytical results for preliminary soil samples SS01 through SS03 indicated TPH and/or chloride concentrations were in compliance with the Site Closure Criteria; however, the COC concentrations did exceed the reclamation requirement. Laboratory analytical results for preliminary soil samples SS04 through SS07 indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.



COG Operating, LLC Closure Request Triste Draw 5 Federal 001H February 27, 2023

Page 3

Based on visible staining in the release area and laboratory analytical results for the preliminary soil samples, excavation of waste-containing soil appeared warranted.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

Between December 12, 2022, and January 4, 2023, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated as indicated by visible staining and laboratory analytical results for the preliminary soil samples SS01 through SS03. Excavation activities were performed using a backhoe, hydrovac, and transport vehicles. To direct excavation activities, soil was screened for VOCs and chloride.

Following removal of impacted soil, 5-point composite excavation confirmation soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The excavation confirmation samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS04 were collected from the floor of the excavation at an approximate depth of 4 feet bgs. Confirmation soil samples SW01 and SW02 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The excavation confirmation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3. Photographic documentation of the excavation is included in Appendix B.

Laboratory analytical results for excavation floor samples FS01 through FS04 and sidewall sample SW02 indicated all COC concentrations were compliant with the applicable Closure Criteria. Laboratory analytical results for excavation sidewall sample SW01 indicated the chloride concentration was compliant with the Site Closure Criteria, but exceeded the reclamation requirement. Additional soil was removed from the area associated with soil sample SW01 and another 5-point composite excavation confirmation soil sample (SW03) was collected following the same procedure described above.

Laboratory analytical results for soil sample SW03 indicated all COC concentrations were compliant with Closure Criteria and/or the reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

The final excavation area measured approximately 600 square feet in areal size. A total of approximately 89 cubic yards of waste-containing soil was removed, transported and properly disposed of at R360 Environmental Solutions in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 5, 2022, release of produced water. Laboratory analytical results for the final excavation confirmation soil samples indicated concentrations of all COCs were compliant with the Site Closure Criteria and reclamation requirement. Based on the laboratory analytical results, no further remediation appears warranted. COG will backfill the excavation with material purchased locally, recontour the Site to match pre-existing site conditions and re-seed the disturbed area with the appropriate BLM seed mixture during the next possible growing season for optimal vegetation growth.

Excavation of waste-containing soil has mitigated adverse conditions at this Site. Depth to water has been estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the release extent. COG believes the remedial actions are protective of human health, the environment, and



COG Operating, LLC Closure Request Triste Draw 5 Federal 001H February 27, 2023

Page 4

groundwater. As such, COG respectfully requests closure for Incident Number NAPP2229033410. The Final C-141 is included in Appendix E.

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

Sincerely, **Ensolum, LLC**

Hadlie Green Staff Geologist Kalei Jennings Senior Scientist

cc: Charles Beauvais, COG Operating, LLC

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Preliminary Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

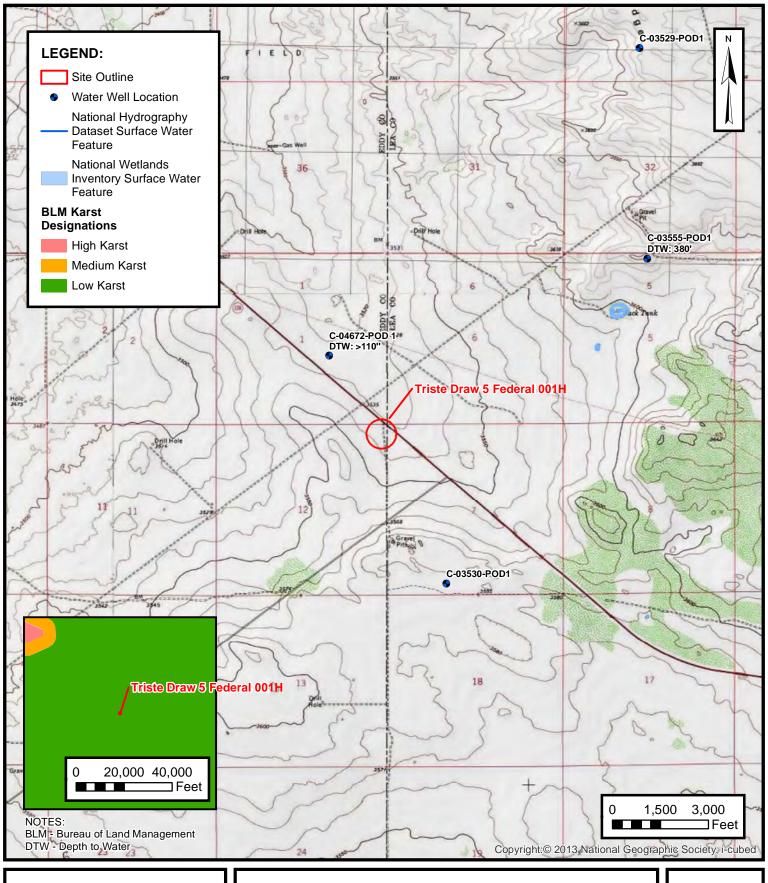
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix D NMOCD Correspondence and Sample Notifications

Appendix E Final C-141



FIGURES





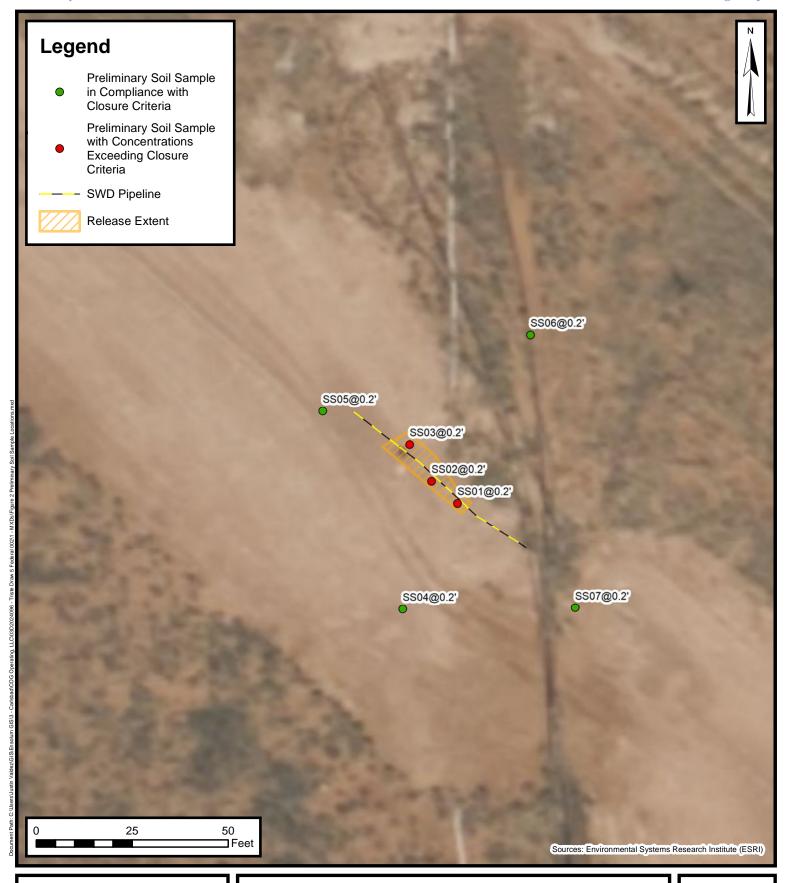
SITE RECEPTOR MAP

COG OPERATING, LLC
TRISTE DRAW 5 FEDERAL 001H
Incident Number NAPP2229033410
Unit A, Sec 12, T24S, R31E
Eddy County, New Mexico

FIGURE

1

Released to Imaging: 6/29/2023 2:23:57 PM

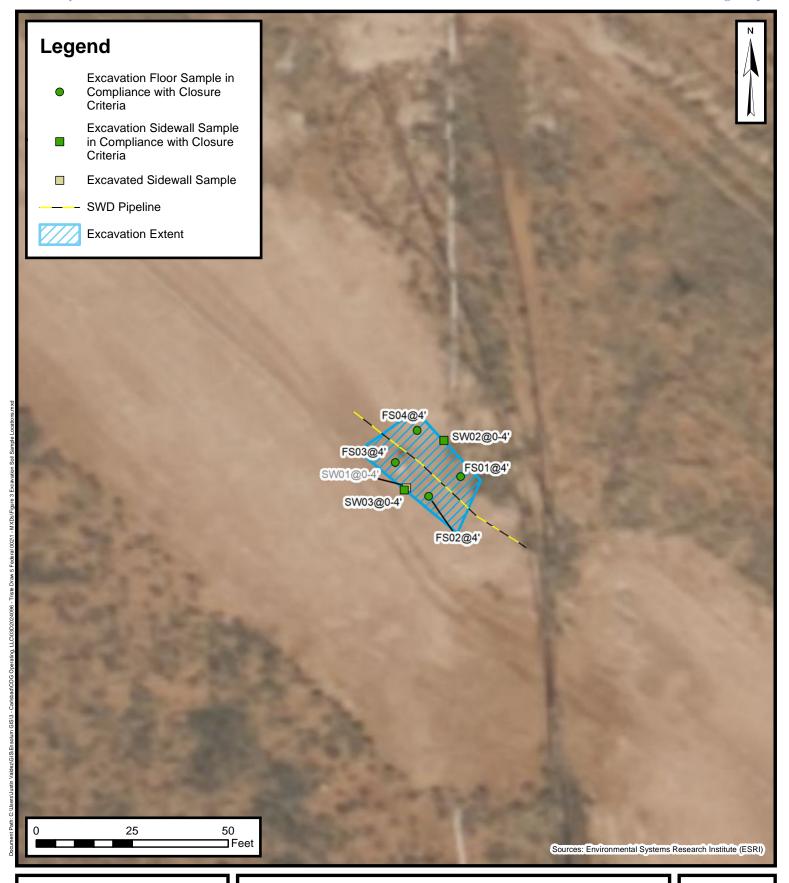




Preliminary Soil Sample Locations

COG Operating, LLC Triste Draw 5 Federal 002 Incident Number: NAPP2229033410 Unit A, Sec 12, T24S, R31E Eddy County, New Mexico FIGURE

2





Excavation Soil Sample Locations

COG Operating, LLC Triste Draw 5 Federal 002 Incident Number NAPP2229033410 Unit A, Sec 12, T24S, R31E Eddy County, New Mexico FIGURE

3



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Triste Draw 5 Federal 001H COG Operating, LLC Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Preliminary Assessment Soil Samples									
SS01	10/21/2022	0.2	<0.00201	<0.00402	<49.9	69.3	<49.9	69.3	69.3	4,390*
SS02	10/21/2022	0.2	<0.00198	<0.00396	<49.9	169	<49.9	169	169	12,800*
SS03	10/21/2022	0.2	0.00316	0.00877	<49.9	723	<49.9	723	723	7,260*
SS04	10/21/2022	0.2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	14.6*
SS05	10/21/2022	0.2	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	42.9*
SS06	12/12/2022	0.2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<5.05*
SS07	12/12/2022	0.2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	<4.97*
				Excava	ation Floor Soil S	amples				
FS01	12/14/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	18,500
FS02	12/14/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	13,000
FS03	12/14/2022	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	5,640
FS04	12/14/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	9,090
				Excavati	on Sidewall Soil	Samples				
SW01	12/13/2022	0 - 4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	717*
SW02	12/20/2022	0 - 4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	32.1*
SW03	01/04/2023	0 - 4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	413*

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.

Gray text represents samples that have been excavated

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



APPENDIX A

Referenced Well Records

PAGE 1 OF 2

WELL TAG ID NO.



	OSE POD NO. (.)	V	WELL TAG ID NO.			OSE FILE NO(S	S).				
TION	C-04672 POI							C-04672 PHONE (OPTIONAL)					
OCA,	OXY US INC							PHONE (OF HONAL)					
GENERAL AND WELL LOCATION	WELL OWNER PO BOX 429		ADDRESS					CITY HOUSTON		STATE TX 77210	ZIP		
AND	WELL		DE	GREES	32 14 41.51								
ERAL	LOCATION (FROM GPS)		NGITUDE	-103	43	43.4	N		CCURACY REQUIRED: ONE TENTH OF A SECOND ATUM REQUIRED: WGS 84				
1. GEN	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS PROXIMITY 31					S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE					
LICENSE NO. NAME OF LICENSED DRILLER WD-1184 RUSSELL SOUTHERLAND							NAME OF WELL DRI WEST TEXAS	LLING COMPANY WATER WELL SEI	RVICE				
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) 09/01/2022 BORE HOLE DEPT				LE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)							
Z	COMPLETED WELL IS: ARTESIAN V DRY HOLE SHALLOW (UNCONFINED)					STATIC WATER LEV	YEL IN COMPLETED WE N/A	ELL (FT)					
(TTO	DRILLING FLUID: V AIR MUD ADDITIVES – SPECIFY:												
)RM	DRILLING ME	ГНОD:	✓ ROTARY	HAMMER	HAMMER CABLE TOOL OTHER - SPECIFY:			R – SPECIFY:					
CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)			(include each casing string, and			ASING NECTION TYPE	CASING INSIDE DIAM.	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)			
CAS			(inches)	note se	note sections of screen) (add coupling diameter)			(inches)	(menes)	(menes)			
ING &				NO CA	SING IN HOLE	Ξ							
2. DRILLING													
2. D													
									OSE DIT SEF	26 2022 м 3:2	3		
	DEPTH (f	eet bgl)	BORE HOLE	LIST	Γ ANNULAR SI	EAL MAT	TERIAL A	AND	AMOUNT	МЕТНО			
RIAL	FROM	ТО	DIAM. (inches)	GRAV	EL PACK SIZE	-RANGE	BY INTE	ERVAL	(cubic feet)	PLACEN	MENT		
3. ANNULAR MATERIAL]	N/A							
INNULA													
3. £													
	OSE INTERN	AL USE						WR-2	0 WELL RECORD &	& LOG (Version 04/3	0/19)		
	ENO.	467	7		POD NO). \		TRN	NO. 7341211	4			

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (1	eet bgl)	THICKNESS		ID TYPE OF MAT			55.	TER RING?	ESTIMATED YIELD FOR
	FROM	ТО	(feet)	(attach supplemental sheets to fully describe all units)						WATER- BEARING ZONES (gpm)
	0	10			RED SAND,	TOPSOIL		Y	✓ N	
	10	20			CALIC	CHIE		Y	✓ N	
	20	37			RED SAND	Y CLAY		Y	✓ N	
	37	40			SANDS	TONE		Y	✓ N	
	40	50			LIGHT RED SA	ANDY CLAY		Y	✓ N	
Ţ	50	78			RED CLAY W/	SANDSTONE		Y	✓ N	
WEL	78	88			RED C	LAY	AY			
4. HYDROGEOLOGIC LOG OF WELL	88	91			SANDS	TONE	ONE			
90	91	93			RED C	LAY	AY			
ICI	93	100			SANDS	TONE	ONE			
007	100	110			RED SANI	OSTONE		Y	✓ N	
EO								Y	N	
ROC								Y	N	
HYD								Y	N	
4.								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
							8	Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTAL ESTI	MATED	
								WELL YIEL	D (gpm):	0.00
NO	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.									
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION:							
PER										
SU										
RIG							058	E DIT SEP 2	26 2022	PM3123
EST;	DDINT NAM	ME(S) OF D	DILL DIG SLIDER	RVISOR(S) THAT PRO	WIDED ONSITE	SUPERVISION O	E WELL CON	STRUCTION (THER TH	HAN LICENSEE:
5. TJ	RUSSELL			CVISOR(S) IIIAI FRO	VIDED ONSITE	SULERVISION	WELL CON	STRUCTION	JIHEK H	IAN LICENSEE.
TURE	RECORD O	F THE ABO	OVE DESCRIBED	AT TO THE BEST OF WELL. LALSO CERT	TIFY THAT THE	WELL TAG, IF R	EQUIRED, HA	S BEEN INST.	ALLED A	ND THAT THIS
6. SIGNATURE	Kusse	el Sie	ethle	RUSSEI	LL SOUTHERL	AND		09/0	01/2022	
		SIGNAT	TURE OF DRILLE	ER / PRINT SIGNEE	NAME				DATE	
FO	R OSE INTER	NAL USE					WR-20 WFI	L RECORD &	LOG (Ve	ersion 04/30/2019)
	ENO.	1672			POD NO.	l	TRN NO.	77.1.	14	10/011 07/30/2017)
-		. 4				· -		· · · · · · · · · · · · · · · · · · ·	· · ·	

LOCATION

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXIC OF OSWELL, NM 88201 OFFICE OF THE STATE ENGINEER

Trn Nbr: File Nbr:

734614 C 04672

Well File Nbr: C 04672 POD 1

Oct. 04, 2022

BEAUX JENNINGS ENSOLUM LLC 601 N. MARIENFELD ST SUITE 400 MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 09/22/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/01/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/22/2023.

If you have any questions, please feel free to contact us.

Clemen

Sincerely,

Vanessa Clements (575)622-6521

drywell

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

734614

File Mbr:

C 04672

Well File Nbr: C 04672 POD 1

Oct. 04, 2022

WADE DITTRICH
OXY USA INC.
P.O. BOX 4294
HOUSTON, TX 77210

Greetings:

The above numbered permit was issued in your name on 09/22/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/01/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/22/2023.

Clemen

If you have any questions, please feel free to contact us.

Sincerely,

Vanessa Clements (575)622-6521

drywell



Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

Y

NA

C 03555 POD1

05 24S 32E

622748 3569233

Driller License:

1654

Driller Company:

NOT WORKING FOR HIRE--SIRMAN DRILLING

AND CONSTRUC

Driller Name:

10/20/2013

6.00

Drill Finish Date:

10/21/2013

Plug Date:

Drill Start Date: Log File Date:

11/07/2013

PCW Rcv Date:

Depth Well:

Source:

Shallow

Pump Type: Casing Size: Pipe Discharge Size:

600 feet

Estimated Yield: Depth Water:

5 GPM 380 feet

Water Bearing Stratifications:

Bottom Description

475

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

460 520

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/21/23 3:00 PM

POINT OF DIVERSION SUMMARY



APPENDIX B

Photographic Log

ENSOLUM

Photographic Log

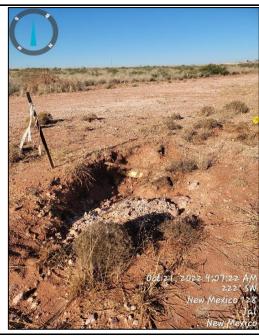
COG Operating, LLC
Triste Draw 5 Federal 001H
Incident Number NAPP2229033410



Photograph: 1 Date: 10/5/2022

Description: Soil staining in release footprint

View: Northwest



Photograph: 2 Date: 10/21/2022

Description: Soil staining in release footprint

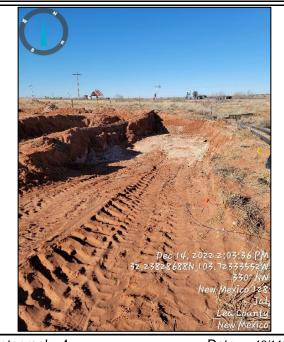
View: Southwest



Photograph: 3 Date: 12/14/2022

Description: Ongoing excavation activities

View: Northwest



Photograph: 4 Date: 12/14/2022

Description: Ongoing excavation activities

View: Northwest



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-3268-1

Laboratory Sample Delivery Group: 03D2024096 Client Project/Site: Triste Draw 5 Federal #2

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Hadlie Green

JURAMER

Authorized for release by: 11/1/2022 1:12:58 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/29/2023 2:23:57 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

10

12

13

Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Laboratory Job ID: 890-3268-1
SDG: 03D2024096

Table of Contents

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Definitions/Glossary

Job ID: 890-3268-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

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Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3268-1

SDG: 03D2024096

Job ID: 890-3268-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3268-1

Receipt

The samples were received on 10/21/2022 3:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3268-1), SS02 (890-3268-2) and SS03 (890-3268-3).

GC VOA

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

GC Semi VOA

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: 890-3268-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS01 Lab Sample ID: 890-3268-1 Date Collected: 10/21/22 08:55 Matrix: Solid

Date Received: 10/21/22 15:27 Sample Depth: 0.2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/27/22 15:09	10/31/22 22:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			10/27/22 15:09	10/31/22 22:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130			10/27/22 15:09	10/31/22 22:29	1

Total BTEX	<0.00402 U	0.00402	mg/Kg			11/01/22 13:51		1
Method: SW846 8015 NM - Diesel Rang	e Organics (DRO) (GC)							
Δnalvto	Result Qualifier	RI	Unit	D	Prenared	Analyzed	Dil Fa	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.3		49.9	mg/Kg			10/28/22 09:46	1
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4 04 4	100		70 400		10/00/00 00 17	10/00/00 00 50	
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	10/26/22 08:47	10/28/22 00:53	1
Diesel Range Organics (Over C10-C28)	69.3		49.9	mg/Kg	10/26/22 08:47	10/28/22 00:53	1
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg	10/26/22 08:47	10/28/22 00:53	1

1-Chlorooctane	108	70 - 130	10/26/22 08:47	10/28/22 00:53	1
o-Terphenyl	103	70 - 130	10/26/22 08:47	10/28/22 00:53	1
Mothod: MCAWW 200.0	Aniana lan Chramataar	anhy Calubia			

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4390	24.9	mg/Kg			10/27/22 03:35	5

Client Sample ID: SS02 Lab Sample ID: 890-3268-2 Date Collected: 10/21/22 09:00 **Matrix: Solid** Date Received: 10/21/22 15:27

Sample Depth: 0.2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/27/22 15:09	10/31/22 22:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			10/27/22 15:09	10/31/22 22:50	1

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Job ID: 890-3268-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS02

Lab Sample ID: 890-3268-2 Date Collected: 10/21/22 09:00 Matrix: Solid

Date Received: 10/21/22 15:27 Sample Depth: 0.2'

Method: SW846 8021B	- Volatile Organic	Compounds ((GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	101	70 - 130	10/27/22 15:09	10/31/22 22:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396 U	0.00396	ma/Ka			11/01/22 13:51	1

Method: SW846 8015 NM - Diese	L Danna Ornaniaa (DDO) (C	\sim
- Niethod: Syvoan bulls Nivi - Diese	i Rande Ordanics (DRO) (G	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	169		49.9	mg/Kg			10/28/22 09:46	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/26/22 08:47	10/28/22 01:14	1
Diesel Range Organics (Over C10-C28)	169		49.9	mg/Kg		10/26/22 08:47	10/28/22 01:14	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/26/22 08:47	10/28/22 01:14	1
0	0/ 5	0	1 :			D	A I I	D# 5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/26/22 08:47	10/28/22 01:14	1
o-Terphenyl	104		70 - 130	10/26/22 08:47	10/28/22 01:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12800		99.8	mg/Kg			10/27/22 03:40	20

Client Sample ID: SS03 Lab Sample ID: 890-3268-3

Date Collected: 10/21/22 09:10 Date Received: 10/21/22 15:27

Sample Depth: 0.2'

Mothodi	CIMOAC GOOAD	Valatile Or	ganic Compour	de (CC)
i wethod:	5W846 8U21B	- volatile Ur	danic Compour	ias (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00316		0.00199	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
Toluene	0.00561		0.00199	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/27/22 15:09	10/31/22 23:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			10/27/22 15:09	10/31/22 23:10	1
4.45% 4 (6.1)	404		70 400			10/07/00 15 00	10/01/00 00 10	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/27/22 15:09	10/31/22 23:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/27/22 15:09	10/31/22 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00877		0.00398	mg/Kg			11/01/22 13:51	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	723		49.9	mg/Kg			10/28/22 09:46	1

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3268-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS03

Lab Sample ID: 890-3268-3

10/27/22 03:45

Date Collected: 10/21/22 09:10 Date Received: 10/21/22 15:27

Matrix: Solid

Sample Depth: 0.2'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/26/22 08:47	10/28/22 07:00	1
Diesel Range Organics (Over C10-C28)	723		49.9	mg/Kg		10/26/22 08:47	10/28/22 07:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/26/22 08:47	10/28/22 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			10/26/22 08:47	10/28/22 07:00	1
o-Terphenyl	78		70 - 130			10/26/22 08:47	10/28/22 07:00	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

49.7

7260

mg/Kg

Surrogate Summary

Client: Ensolum Job ID: 890-3268-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-3268-1	SS01	92	99	
90-3268-1 MS	SS01	99	107	
90-3268-1 MSD	SS01	108	98	
90-3268-2	SS02	101	101	
90-3268-3	SS03	95	101	
CS 880-38031/1-A	Lab Control Sample	93	107	
CSD 880-38031/2-A	Lab Control Sample Dup	100	110	
IB 880-38031/5-A	Method Blank	82	96	
IB 880-38226/5-A	Method Blank	83	90	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3267-A-21-E MS	Matrix Spike	103	82	
890-3267-A-21-F MSD	Matrix Spike Duplicate	78	71	
890-3268-1	SS01	108	103	
890-3268-2	SS02	111	104	
890-3268-3	SS03	81	78	
LCS 880-37863/2-A	Lab Control Sample	124	104	
LCSD 880-37863/3-A	Lab Control Sample Dup	120	95	
MB 880-37863/1-A	Method Blank	129	128	

Surrogate Legenu

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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2

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14

Client: Ensolum Job ID: 890-3268-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38031/5-A

Matrix: Solid Analysis Batch: 38213 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38031

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/27/22 15:09	10/31/22 22:08	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82	70 - 130	10/27/22 15:09	10/31/22 22:08	1
1,4-Difluorobenzene (Surr)	96	70 - 130	10/27/22 15:09	10/31/22 22:08	1

Lab Sample ID: LCS 880-38031/1-A

Matrix: Solid

Analysis Batch: 38213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38031

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1082		mg/Kg		108	70 - 130	
Toluene	0.100	0.09302		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.09102		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09049		mg/Kg		90	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-38031/2-A

Matrix: Solid

Analysis Batch: 38213

Prep Type: Total/NA

Prep Batch: 38031

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1111		mg/Kg		111	70 - 130	3	35	
Toluene	0.100	0.09423		mg/Kg		94	70 - 130	1	35	
Ethylbenzene	0.100	0.09258		mg/Kg		93	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130	2	35	
o-Xylene	0.100	0.09300		mg/Kg		93	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-3268-1 MS

Matrix: Solid

Analysis Batch: 38213

Client Sample ID: SS01 Prep Type: Total/NA

Prep Batch: 38031

MS MS Sample Sample Spike %Rec Added Result Qualifier Unit %Rec Limits 0.0990 0.09422 95 70 - 130 mg/Kg

Analyte Result Qualifier <0.00201 U Benzene Toluene <0.00201 U 0.0990 0.07942 mg/Kg 80 70 - 130

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QC Sample Results

Client: Ensolum Job ID: 890-3268-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: 890-3268-1 MS

Matrix: Solid

Analysis Batch: 38213

Client Sample ID: SS01 Prep Type: Total/NA

Prep Batch: 38031

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U	0.0990	0.07601		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1531		mg/Kg		77	70 - 130	
o-Xylene	<0.00201	U	0.0990	0.07420		mg/Kg		75	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	99		70 - 130		
1.4-Difluorobenzene (Surr)	107		70 - 130		

Lab Sample ID: 890-3268-1 MSD **Client Sample ID: SS01** Prep Type: Total/NA

mg/Kg

mg/Kg

Unit

mg/Kg

Analysis Batch: 38213

Matrix: Solid

Prep Batch: 38031 Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.0990 0.08003 Benzene <0.00201 U mg/Kg 81 70 - 130 16 35 0.0990 0.07421 74 70 - 130 Toluene <0.00201 U mg/Kg 35 Ethylbenzene <0.00201 U 0.0990 0.08163 mg/Kg 82 70 - 130 35 0.198 0.1632 82 70 - 130 35 m-Xylene & p-Xylene <0.00402 U mg/Kg 6 0.0990

0.07909

MSD MSD

<0.00201 U

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-38226/5-A

Matrix: Solid

Xylenes, Total

o-Xylene

Analysis Batch: 38213

Client Sample ID: Method Blank

70 - 130

80

10/31/22 09:37

Prep Type: Total/NA

Prep Batch: 38226

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/31/22 09:37	10/31/22 11:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/31/22 09:37	10/31/22 11:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/31/22 09:37	10/31/22 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/31/22 09:37	10/31/22 11:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/31/22 09:37	10/31/22 11:33	1

0.00400

MB MB

MB MB Result Qualifier

<50.0 U

<0.00400 U

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	10/31/22 09:37	10/31/22 11:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/31/22 09:37	10/31/22 11:33	1

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

Lab Sample ID: MB 880-37863/1-A

Matrix: Solid

Analysis Batch: 37970

Gasoline Range Organics

Client Sample ID: Method Blank

10/31/22 11:33

Prep Type: Total/NA Prep Batch: 37863

Prepared 10/26/22 08:47 10/27/22 22:01

(GRO)-C6-C10

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RL

50.0

Job ID: 890-3268-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

10/27/22 22:01

10/26/22 08:47

SDG: 03D2024096

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

128

Lab Sample ID: MB 880-37863/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 37863 Analysis Batch: 37970 MR MR

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		10/26/22 08:47	10/27/22 22:01	1
	C10-C28)								
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/26/22 08:47	10/27/22 22:01	1
		440	440						
		IVIB	МВ						
	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	1-Chlorooctane	129		70 - 130			10/26/22 08:47	10/27/22 22:01	1

70 - 130

o-Terphenyl Lab Sample ID: LCS 880-37863/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 37970 Prep Batch: 37863 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 810.3 81 70 - 130 mg/Kg (GRO)-C6-C10 1000 944.6 Diesel Range Organics (Over mg/Kg 94 70 - 130 C10-C28) LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 124 o-Terphenyl 104 70 - 130

Lab Sample ID: LCSD 880-37863/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 37970** Prep Batch: 37863 Spike LCSD LCSD %Rec

							,			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	806.8		mg/Kg		81	70 - 130	0	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	872.7		mg/Kg		87	70 - 130	8	20	
C10-C28)										

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	95		70 - 130

82

Lab Sample ID: 890-3267-A-21-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 37970** Prep Batch: 37863

Timely one Dutton of the										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U	998	828.2		mg/Kg		83	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.8	U	998	996.7		mg/Kg		100	70 - 130	
C10-C28)										
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							

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70 - 130

o-Terphenyl

Lab Sample ID: 890-3267-A-21-F MSD

Job ID: 890-3268-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 37863

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.8	U	998	790.4		mg/Kg		79	70 - 130	5	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.8	U	998	878.3		mg/Kg		88	70 - 130	13	20

C10-C28)

Matrix: Solid

Analysis Batch: 37970

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	71		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37580/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 37848

мв мв

Analyte		ialifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			10/27/22 01:23	1

Lab Sample ID: LCS 880-37580/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 37848

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	265.5		mg/Kg		106	90 - 110	

Lab Sample ID: LCSD 880-37580/3-A

Matrix: Solid

Analysis Batch: 37848

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	264 7		ma/Ka		106	90 110		20

Lab Sample ID: 890-3266-A-1-B MS

Matrix: Solid

Analysis Batch: 37848

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1270		1250	2611		ma/Ka		108	90 - 110	

Lab Sample ID: 890-3266-A-1-C MSD

Matrix: Solid

Analysis Batch: 37848

Allalysis Datcil. 37040												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	1270		1250	2623		mg/Kg		109	90 - 110		20	

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QC Association Summary

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 Job ID: 890-3268-1 SDG: 03D2024096

GC VOA

Prep Batch: 38031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Total/NA	Solid	5035	
890-3268-2	SS02	Total/NA	Solid	5035	
890-3268-3	SS03	Total/NA	Solid	5035	
MB 880-38031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3268-1 MS	SS01	Total/NA	Solid	5035	
890-3268-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 38213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Total/NA	Solid	8021B	38031
890-3268-2	SS02	Total/NA	Solid	8021B	38031
890-3268-3	SS03	Total/NA	Solid	8021B	38031
MB 880-38031/5-A	Method Blank	Total/NA	Solid	8021B	38031
MB 880-38226/5-A	Method Blank	Total/NA	Solid	8021B	38226
LCS 880-38031/1-A	Lab Control Sample	Total/NA	Solid	8021B	38031
LCSD 880-38031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38031
890-3268-1 MS	SS01	Total/NA	Solid	8021B	38031
890-3268-1 MSD	SS01	Total/NA	Solid	8021B	38031

Prep Batch: 38226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38226/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 38404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Total/NA	Solid	Total BTEX	
890-3268-2	SS02	Total/NA	Solid	Total BTEX	
890-3268-3	SS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 37863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Total/NA	Solid	8015NM Prep	Frep Batch
890-3268-2	SS02	Total/NA	Solid	8015NM Prep	
890-3268-3	SS03	Total/NA	Solid	8015NM Prep	
MB 880-37863/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37863/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3267-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3267-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Total/NA	Solid	8015B NM	37863
890-3268-2	SS02	Total/NA	Solid	8015B NM	37863
890-3268-3	SS03	Total/NA	Solid	8015B NM	37863
MB 880-37863/1-A	Method Blank	Total/NA	Solid	8015B NM	37863
LCS 880-37863/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37863

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QC Association Summary

Client: Ensolum Job ID: 890-3268-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

GC Semi VOA (Continued)

Analysis Batch: 37970 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-37863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37863
890-3267-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	37863
890-3267-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	37863

Analysis Batch: 38077

Lab Sample ID 890-3268-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-3268-2	SS02	Total/NA	Solid	8015 NM	
890-3268-3	SS03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Soluble	Solid	DI Leach	_
890-3268-2	SS02	Soluble	Solid	DI Leach	
890-3268-3	SS03	Soluble	Solid	DI Leach	
MB 880-37580/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37580/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37580/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3266-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3266-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 37848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3268-1	SS01	Soluble	Solid	300.0	37580
890-3268-2	SS02	Soluble	Solid	300.0	37580
890-3268-3	SS03	Soluble	Solid	300.0	37580
MB 880-37580/1-A	Method Blank	Soluble	Solid	300.0	37580
LCS 880-37580/2-A	Lab Control Sample	Soluble	Solid	300.0	37580
LCSD 880-37580/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37580
890-3266-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	37580
890-3266-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	37580

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Job ID: 890-3268-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS01 Lab Sample ID: 890-3268-1 Date Collected: 10/21/22 08:55

Matrix: Solid

Date Received: 10/21/22 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	38031	10/27/22 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38213	10/31/22 22:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38404	11/01/22 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38077	10/28/22 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37863	10/26/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37970	10/28/22 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37580	10/25/22 11:57	SMC	EET MID
Soluble	Analysis	300.0		5			37848	10/27/22 03:35	CH	EET MID

Lab Sample ID: 890-3268-2 **Client Sample ID: SS02**

Date Collected: 10/21/22 09:00 **Matrix: Solid**

Date Received: 10/21/22 15:27

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 38031 Total/NA 5.05 g 5 mL 10/27/22 15:09 MNR EET MID 8021B Total/NA 5 mL 38213 10/31/22 22:50 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 38404 11/01/22 13:51 Analysis 1 A.I **EET MID** Total/NA Analysis 8015 NM 38077 10/28/22 09:46 SM **EET MID** Total/NA 8015NM Prep 37863 Prep 10.02 g 10 mL 10/26/22 08:47 DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 37970 10/28/22 01:14 SM **EET MID** Soluble 5.01 g Leach DI Leach 50 mL 37580 10/25/22 11:57 SMC **EET MID** Soluble Analysis 300.0 20 37848 10/27/22 03:40 СН **EET MID**

Lab Sample ID: 890-3268-3 **Client Sample ID: SS03**

Date Collected: 10/21/22 09:10 Date Received: 10/21/22 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	38031	10/27/22 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38213	10/31/22 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38404	11/01/22 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38077	10/28/22 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37863	10/26/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37970	10/28/22 07:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37580	10/25/22 11:57	SMC	EET MID
Soluble	Analysis	300.0		10			37848	10/27/22 03:45	CH	EET MID

Laboratory References:

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

Matrix: Solid

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3268-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of		ut the laboratory is not certifie	ed by the governing authority. This list ma	ay include analytes for
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

Method Summary

Job ID: 890-3268-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

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

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

Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3268-1

SDG: 03D2024096

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	De
890-3268-1	SS01	Solid	10/21/22 08:55	10/21/22 15:27	0.2'
890-3268-2	SS02	Solid	10/21/22 09:00	10/21/22 15:27	0.2'
890-3268-3	SS03	Solid	10/21/22 09:10	10/21/22 15:27	0.2'

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Xenco	Environment Testing		
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Chain of Custody	
	Work Order No:		

Environment Testing Xenco		Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Work Order No:	of
Project Manager: Hadlie Arean	Bill to: (if different)	Malei Jennines	MM.	
9nsaw	Company Name:	ensolum, 100		RRC Superfund
	S HULL Address:	3122 Not Parts Husy	State of Project:	
ie ZIP: (IQV/SK	20 J	-	Reporting: Level III Level III PST/UST TRRP	TRRP Level IV
137-557-880	Email: hareona	rensolum, com	Deliverables: EDD ADaPT O	Other:
Name: Tristo Non	Turn Around	ANALYSIS REQUEST		Preservative Codes
03/07/0	V Rou		None: NO	DI Water: H ₂ O
57.739	233 Due Date:		Cool: Cool	MeOH: Me
IN LICON NO. FO	TAT starts the day received by		HCL: HC	HNO 3: HN
0	the lab, if received by 4:30pm		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT Temp Blank: (Ye) No	Wet Ice: (Yes) No		H ₃ PO ₄ : HP	
act: Yes No	Thermometer ID:	25	NaHSO .: NABIS	VABIS
Yes No XOA	0	de	Na ₂ S ₂ O ₃ : NaSO ₃	VaSO 3
Sample Custody Seals: Yes No N/A Temp	Temperature Reading: 3, 4			+NaOH: Zn
Total Containers: Corre	Corrected Temperature:	E OLIC		NaUH+Ascorbic Acid: SAPC
Sample Identification Matrix Sampled	Date Time Depth Grab # of Comp Cont	BON	Samp	Sample Comments
SSIO S DISS	SS 10-21-22 .2' C 1			
	10-21-22 2'	~ ~ ~		
CS	16-21-22	< < <		
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PPM Texas 11 Al Sb As Ba Be I TCLP/SPLP 6010 : 8RCRA Sb As Ba Be	3 Cd Ca Cr Co Cu Fe Pb Cd Cr Co Cu Pb Mn Mo I	Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Z Ni Se Ag Tl U Hg: $1631/245.1/7470/7471$	/ Zn 471
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 items 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. Aminimum 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	titutes a valid purchase order from client company to El shall not assume any responsibility for any losses or exp project and a charge of \$5 for each sample submitted t	urofins Xenco, its affiliates and subcontractors. It assigns standard terr senses incurred by the client if such losses are due to circumstances be o Eurofins Xenco, but not analyzed. These terms will be enforced unles	is and conditions and the control s previously negotiated.	
Belinquished by: (Sjgnature) Rece	Received by: (Signature)	Date/Time Relinquished by: (Signature)	re) Received by: (Signature)	Date/Time
Samoulas Samo	who start 101	15\$7		
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11/1/2022

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-3268-1

 SDG Number: 03D2024096

Login Number: 3268 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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	
ls the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3268-1 SDG Number: 03D2024096

Login Number: 3268
List Source: Eurofins Midland
List Number: 2
List Creation: 10/25/22 11:05 AM

Creator: Rodriguez, Leticia

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

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<6mm (1/4").



Environment Testing

ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-3269-1

Laboratory Sample Delivery Group: 03D2024096 Client Project/Site: Triste Draw 5 Federal #2

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Hadlie Green

JURAMER

Authorized for release by: 11/1/2022 1:12:58 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

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Released to Imaging: 6/29/2023 2:23:57 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Laboratory Job ID: 890-3269-1
SDG: 03D2024096

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Definitions/Glossary

Job ID: 890-3269-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3269-1

SDG: 03D2024096

Job ID: 890-3269-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3269-1

Receipt

The samples were received on 10/21/2022 3:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS04 (890-3269-1) and SS05 (890-3269-2).

GC VOA

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

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

HPLC/IC

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

Client Sample Results

Client: Ensolum Job ID: 890-3269-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS04

Date Collected: 10/21/22 09:15

Lab Sample ID: 890-3269-1

Matrix: Solid

Date Collected: 10/21/22 09:15
Date Received: 10/21/22 15:27

Sample Depth: 0.2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/27/22 15:09	10/31/22 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			10/27/22 15:09	10/31/22 23:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130			10/27/22 15:09	10/31/22 23:31	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			11/01/22 13:51	1
Analyte Total TPH	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	П						
<u>-</u>		Ü	50.0	mg/Kg			10/28/22 09:46	1
Method: SW846 8015B NM - Dies	sel Range Orga			mg/Kg			10/28/22 09:46	1
Method: SW846 8015B NM - Dies Analyte	Result	nics (DRO) Qualifier	(GC)	mg/Kg	<u>D</u>	Prepared	10/28/22 09:46 Analyzed	
		nics (DRO) Qualifier	(GC)		<u>D</u>	Prepared 10/26/22 08:47		Dil Fac
Analyte Gasoline Range Organics	Result	nics (DRO) Qualifier	(GC)	Unit	<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	nics (DRO) Qualifier U	(GC) RL 50.0	<mark>Unit</mark> mg/Kg	<u>D</u>	10/26/22 08:47	Analyzed 10/28/22 01:35	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	nics (DRO) Qualifier U	(GC) RL 50.0	unit mg/Kg mg/Kg	<u> </u>	10/26/22 08:47	Analyzed 10/28/22 01:35	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	nics (DRO) Qualifier U	(GC) RL 50.0 50.0	unit mg/Kg mg/Kg	<u>D</u>	10/26/22 08:47 10/26/22 08:47 10/26/22 08:47	Analyzed 10/28/22 01:35 10/28/22 01:35 10/28/22 01:35	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0 <50.0 <50.0 <50.0 <60.0 %Recovery	nics (DRO) Qualifier U	(GC) RL 50.0 50.0 50.0 Limits	unit mg/Kg mg/Kg	<u>D</u>	10/26/22 08:47 10/26/22 08:47 10/26/22 08:47 Prepared	Analyzed 10/28/22 01:35 10/28/22 01:35 10/28/22 01:35 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0 <50.0 <50.0 <50.0	nics (DRO) Qualifier U U Qualifier	(GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	unit mg/Kg mg/Kg	<u>D</u>	10/26/22 08:47 10/26/22 08:47 10/26/22 08:47 Prepared 10/26/22 08:47	Analyzed 10/28/22 01:35 10/28/22 01:35 10/28/22 01:35 Analyzed 10/28/22 01:35	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	nics (DRO) Qualifier U U Qualifier	(GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	unit mg/Kg mg/Kg	<u>D</u>	10/26/22 08:47 10/26/22 08:47 10/26/22 08:47 Prepared 10/26/22 08:47	Analyzed 10/28/22 01:35 10/28/22 01:35 10/28/22 01:35 Analyzed 10/28/22 01:35	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: SS05 Lab Sample ID: 890-3269-2

Date Collected: 10/21/22 09:20 Date Received: 10/21/22 15:27

Sample Depth: 0.2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		10/27/22 15:09	10/31/22 23:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			10/27/22 15:09	10/31/22 23:51	1

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3269-1

Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS05 Lab Sample ID: 890-3269-2

Date Collected: 10/21/22 09:20 Matrix: Solid Date Received: 10/21/22 15:27

Sample Depth: 0.2'

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130			10/27/22 15:09	10/31/22 23:51	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			11/01/22 13:51	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/28/22 09:46	
5 5	Result <50.0	Qualifier U		Unit mg/Kg	<u>D</u>	Prepared 10/26/22 08:47	Analyzed 10/28/22 01:57	Dil Fa
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 <50.0		50.0 50.0			10/26/22 08:47 10/26/22 08:47	10/28/22 01:57 10/28/22 01:57	,
		U	30.0	mg/Kg		10/20/22 00.47	10/20/22 01.37	
5 5 ,	00.0							
C10-C28)	<50.0	U	50.0	mg/Kg		10/26/22 08:47	10/28/22 01:57	,
C10-C28) Oll Range Organics (Over C28-C36)			50.0 Limits	mg/Kg		10/26/22 08:47 Prepared	10/28/22 01:57 Analyzed	Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0			mg/Kg				Dil Fac
C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0		Limits	mg/Kg		Prepared	Analyzed	Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 	Qualifier	Limits 70 - 130 70 - 130	mg/Kg		Prepared 10/26/22 08:47	Analyzed 10/28/22 01:57	Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 **Recovery 93 89 s, lon Chromato	Qualifier	Limits 70 - 130 70 - 130	mg/Kg Unit	D	Prepared 10/26/22 08:47	Analyzed 10/28/22 01:57	Dil Fac

Surrogate Summary

Job ID: 890-3269-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3268-A-1-C MS	Matrix Spike	99	107	
890-3268-A-1-D MSD	Matrix Spike Duplicate	108	98	
890-3269-1	SS04	97	94	
890-3269-2	SS05	86	77	
LCS 880-38031/1-A	Lab Control Sample	93	107	
LCSD 880-38031/2-A	Lab Control Sample Dup	100	110	
MB 880-38031/5-A	Method Blank	82	96	
MB 880-38226/5-A	Method Blank	83	90	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Accepta
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3267-A-21-E MS	Matrix Spike	103	82	
890-3267-A-21-F MSD	Matrix Spike Duplicate	78	71	
890-3269-1	SS04	101	94	
890-3269-2	SS05	93	89	
LCS 880-37863/2-A	Lab Control Sample	124	104	
LCSD 880-37863/3-A	Lab Control Sample Dup	120	95	
MB 880-37863/1-A	Method Blank	129	128	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3269-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38031/5-A

Matrix: Solid Analysis Batch: 38213 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38031

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/27/22 15:09	10/31/22 22:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/27/22 15:09	10/31/22 22:08	1

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82	70 - 130	10/27/22 15:09	10/31/22 22:08	1
1.4-Difluorobenzene (Surr)	96	70 - 130	10/27/22 15:09	10/31/22 22:08	1

Lab Sample ID: LCS 880-38031/1-A

Matrix: Solid

Analysis Batch: 38213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38031

		Spike	LCS	LCS				%Rec	
Analyte	A	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		0.100	0.1082		mg/Kg		108	70 - 130	
Toluene		0.100	0.09302		mg/Kg		93	70 - 130	
Ethylbenzene		0.100	0.09102		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene		0.200	0.1840		mg/Kg		92	70 - 130	
o-Xylene		0.100	0.09049		mg/Kg		90	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-38031/2-A

Matrix: Solid

Analysis Batch: 38213

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38031

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1111		mg/Kg		111	70 - 130	3	35	
Toluene	0.100	0.09423		mg/Kg		94	70 - 130	1	35	
Ethylbenzene	0.100	0.09258		mg/Kg		93	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130	2	35	
o-Xylene	0.100	0.09300		mg/Kg		93	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-3268-A-1-C MS

Matrix: Solid

Analysis Batch: 38213

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

Prep Batch: 38031

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.0990	0.09422		mg/Kg	_	95	70 - 130	
Toluene	<0.00201	U	0.0990	0.07942		mg/Kg		80	70 - 130	

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QC Sample Results

Job ID: 890-3269-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: 890-3268-A-1-C MS

Matrix: Solid

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 38031

Analysis Batch: 38213 Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits

Analyte D <0.00201 U 0.0990 0.07601 77 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00402 0 198 0 1531 mg/Kg 77 70 - 130 <0.00201 U 0.0990 0.07420 75 70 - 130 o-Xylene mg/Kg

MS MS

Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 99 1,4-Difluorobenzene (Surr) 107 70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 38031

Analysis Batch: 38213

Matrix: Solid

Lab Sample ID: 890-3268-A-1-D MSD

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

Benzene <0.00201 U 0.0990 0.08003 mg/Kg 81 70 - 130 16 35 Toluene <0.00201 0.0990 0.07421 mg/Kg 74 70 - 130 7 35 Ethylbenzene <0.00201 U 0.0990 0.08163 82 70 - 130 35 mg/Kg m-Xylene & p-Xylene <0.00402 U 0.198 0.1632 mg/Kg 82 70 - 130 6 35 70 - 130 <0.00201 U 0.0990 0.07909 80 35 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-38226/5-A

Matrix: Solid Analysis Batch: 38213

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 38226 MB MB

Result Qualifier Analyzed Dil Fac Analyte RL Unit D Prepared Benzene <0.00200 U 0.00200 mg/Kg 10/31/22 09:37 10/31/22 11:33 Toluene <0.00200 U 0.00200 10/31/22 09:37 10/31/22 11:33 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 10/31/22 09:37 10/31/22 11:33 m-Xylene & p-Xylene <0.00400 0.00400 mg/Kg 10/31/22 09:37 10/31/22 11:33 10/31/22 09:37 10/31/22 11:33 o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400 U 0.00400 mg/Kg 10/31/22 09:37 10/31/22 11:33

MB Qualifier *l*_imits Dil Fac Surrogate %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 83 70 - 130 10/31/22 09:37 10/31/22 11:33 1,4-Difluorobenzene (Surr) 90 70 - 130 10/31/22 09:37 10/31/22 11:33

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

Lab Sample ID: MB 880-37863/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 37970

мв мв Analyte Qualifier RL Unit Prepared Dil Fac Result <50.0 Ū 50.0 10/26/22 08:47 10/27/22 22:01 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

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Prep Batch: 37863

o-Terphenyl

QC Sample Results

Client: Ensolum Job ID: 890-3269-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: MB 880-37863/1-A

Matrix: Solid

Analysis Batch: 37970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37863

MB	МВ						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0	mg/Kg		10/26/22 08:47	10/27/22 22:01	1
<50.0	U	50.0	mg/Kg		10/26/22 08:47	10/27/22 22:01	1
МВ	MB						
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
129		70 - 130			10/26/22 08:47	10/27/22 22:01	1
128		70 - 130			10/26/22 08:47	10/27/22 22:01	1
	Result	129	Result Qualifier RL	Result Qualifier RL Unit <50.0	Result Qualifier RL Unit D mg/Kg	Result Qualifier RL State of the control	Result Qualifier RL (250.0) Unit (250.0) D (26/22 08:47) Prepared (10/27/22 22:01) <50.0

Lab Sample ID: LCS 880-37863/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 37970 Prep Batch: 37863 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 810.3 81 70 - 130 mg/Kg (GRO)-C6-C10 1000 944.6 Diesel Range Organics (Over mg/Kg 94 70 - 130 C10-C28) LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 124

Lab Sample ID: LCSD 880-37863/3-A

Matrix: Solid

Analysis Batch: 37970

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37863

70 - 130

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	806.8		mg/Kg		81	70 - 130	0	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	872.7		mg/Kg		87	70 - 130	8	20	
C10-C28)										

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	95		70 - 130

104

Lab Sample ID: 890-3267-A-21-E MS

Matrix: Solid

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

Analysis Batch: 37970

Prep Batch: 37863

Sample Sa

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	828.2		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	998	996.7		mg/Kg		100	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
4 Ohlamantana	400		70 400							

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 103
 70 - 130

 o-Terphenyl
 82
 70 - 130

Job ID: 890-3269-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 890-3267-A-21-F MSD **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 37970 Prep Batch: 37863

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.8	U	998	790.4		mg/Kg		79	70 - 130	5	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.8	U	998	878.3		mg/Kg		88	70 - 130	13	20	

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	71		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37786/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 37915

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Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 l	U	5.00	mg/Kg			10/26/22 18:24	1

Lab Sample ID: LCS 880-37786/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 37915

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	252.5		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-37786/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 37915

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	252.8		mg/Kg		101	90 - 110	0	20	

Lab Sample ID: 890-3267-A-21-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 37915

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	30.0		252	293 1		ma/Ka	_	105	90 110	

Lab Sample ID: 890-3267-A-21-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 37915

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	30.0		252	286.9		mg/Kg		102	90 - 110	2	20

Eurofins Carlsbad

Prep Type: Soluble

QC Association Summary

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 Job ID: 890-3269-1 SDG: 03D2024096

GC VOA

Prep Batch: 38031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	5035	
890-3269-2	SS05	Total/NA	Solid	5035	
MB 880-38031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3268-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-3268-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 38213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	8021B	38031
890-3269-2	SS05	Total/NA	Solid	8021B	38031
MB 880-38031/5-A	Method Blank	Total/NA	Solid	8021B	38031
MB 880-38226/5-A	Method Blank	Total/NA	Solid	8021B	38226
LCS 880-38031/1-A	Lab Control Sample	Total/NA	Solid	8021B	38031
LCSD 880-38031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38031
890-3268-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	38031
890-3268-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	38031

Prep Batch: 38226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38226/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 38405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	Total BTEX	
890-3269-2	SS05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 37863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	8015NM Prep	
890-3269-2	SS05	Total/NA	Solid	8015NM Prep	
MB 880-37863/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37863/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3267-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3267-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	8015B NM	37863
890-3269-2	SS05	Total/NA	Solid	8015B NM	37863
MB 880-37863/1-A	Method Blank	Total/NA	Solid	8015B NM	37863
LCS 880-37863/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37863
LCSD 880-37863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37863
890-3267-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	37863
890-3267-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	37863

QC Association Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3269-1 SDG: 03D2024096

GC Semi VOA

Analysis Batch: 38078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Total/NA	Solid	8015 NM	
890-3269-2	SS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Soluble	Solid	DI Leach	_
890-3269-2	SS05	Soluble	Solid	DI Leach	
MB 880-37786/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37786/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37786/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3267-A-21-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3267-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 37915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3269-1	SS04	Soluble	Solid	300.0	37786
890-3269-2	SS05	Soluble	Solid	300.0	37786
MB 880-37786/1-A	Method Blank	Soluble	Solid	300.0	37786
LCS 880-37786/2-A	Lab Control Sample	Soluble	Solid	300.0	37786
LCSD 880-37786/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37786
890-3267-A-21-B MS	Matrix Spike	Soluble	Solid	300.0	37786
890-3267-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	37786

Eurofins Carlsbad

Released to Imaging: 6/29/2023 2:23:57 PM

Date Received: 10/21/22 15:27

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 Job ID: 890-3269-1

SDG: 03D2024096

Client Sample ID: SS04 Lab Sample ID: 890-3269-1 Date Collected: 10/21/22 09:15

Matrix: Solid

	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	38031	10/27/22 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38213	10/31/22 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38405	11/01/22 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38078	10/28/22 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37863	10/26/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37970	10/28/22 01:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	37786	10/25/22 10:39	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37915	10/26/22 19:31	CH	EET MID

Client Sample ID: SS05 Lab Sample ID: 890-3269-2

Date Collected: 10/21/22 09:20 Matrix: Solid

Date Received: 10/21/22 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	38031	10/27/22 15:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38213	10/31/22 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38405	11/01/22 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38078	10/28/22 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37863	10/26/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37970	10/28/22 01:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	37786	10/25/22 10:39	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37915	10/26/22 19:39	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3269-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Laboratory: Eurofins Midland

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

		rogram	Identification Number	Expiration Date
		ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of	. ,	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (GC) SW846 EET MID **Total BTEX Calculation** Total BTEX 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 SW846 **EET MID** Closed System Purge and Trap 8015NM Prep Microextraction SW846 EET MID

Protocol References:

DI Leach

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

Deionized Water Leaching Procedure

Laboratory References:

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

Eurofins Carlsbad

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EET MID

ASTM

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Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3269-1

SDG: 03D2024096

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	D
890-3269-1	SS04	Solid	10/21/22 09:15	10/21/22 15:27	0.2'
890-3269-2	SS05	Solid	10/21/22 09:20	10/21/22 15:27	0.2'

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Chain of Custody

Environment Testing Xenco Company Nation Confection Company Nation Confection Conf	Revised Date: 08/25/2020 Rev. 2020.2		6			
Entironment Testing			121122 152	Stuff	Amerida	(Serromonara)
Environment Testing		sture) Received by: (Sig	Date/Time Relinquished by: (Signa	Signature)	Received by: (Relinquished by: (Signature)
Environment Testing		ems and conditions beyond the control less previously negotiated.	urofins Xenco, its affiliates and subcontractors. It assigns standard to benses incurred by the client if such losses are due to circumstances to Eurofins Xenco, but not analyzed. These terms will be enforced un	ourchase order from client company to E me any responsibility for any losses or ex charge of \$5 for each sample submitted	hment of samples constitutes a valid the cost of samples and shall not assu will be applied to each project and a	ice: Signature of this document and relinquistervice. Eurofins Xenco will be liable only for a surofins Xenco. A minimum charge of \$85.00
Environment Testing	Na Sr Tl Sn U V Zn / 245.1 / 7470 / 7471	Ji K Se	Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb N Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	A 13PPM Texas 11 AI TCLP / SPLP 6010 : 8RCRA	7 6020: 8RCF to be analyzed	Total 200.7 / 6010 200.8 ircle Method(s) and Metal(s)
Environment Testing						
Environment Testing						
Corrected Fanguage Page						
Environment Testing						
Environment Testing			*	20 .2' (10-21-22	5505
Environment Testing				315 2' C	10-21-22	SSOH
Environment Testing	Sample Comments		BI	Depth Comp	Date Sampled	Sample Identification
Environment Testing	NaOH+Ascorbic Acid: SAPC	_	- ,	4	Corrected Temp	Total Containers:
Environment Testing	Zn Acetate+NaOH: Zn	of Custody		ading:	W/A	**
Environment Testing	Na ₂ S ₂ O ₃ : NaSO ₃			C.0.2	3	Yes
Environment Testing	NaHSO :: NABIS			100-007	Thermometer	lact
Environment Testing	H₃PO ₄: HP			No See	Mes No	PLE RECEIPT
Environment Testing	22					Sampler's Name: MANITAV P
Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Work Order No:				Tetate the day received by		
Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 WWW.xenco.com Page of www.xe			de la	- Ausn	בבבבל	20
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Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Xenco Hobbs, NM (575) 982-7550, Carlsbad, NM (575) 988-3199 Www.xenco.com Page of Work Order Comments Work Order No: Program: UST/PST PRP Brownfields RRC NAH Durks Hudy Address: Old, NM 88720 City, State ZIP: AM Shoul, NM 88720 Reporting: Level III Level III PST/UST TRRP		Ш	(2017) (DIV	Email: not and	7-88-1	100
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	NO.	Work Order	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300		nvironment Testi	CHIOTHIS

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-3269-1

 SDG Number: 03D2024096

Login Number: 3269 List Source: Eurofins Carlsbad

List Number: 1 Creator: Stutzman, Amanda

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	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3269-1

SDG Number: 03D2024096

Login Number: 3269 **List Source: Eurofins Midland** List Number: 2

List Creation: 10/25/22 11:05 AM

Creator: Rodriguez, Leticia

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

Page 20 of 20 11/1/2022

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 12/23/2022 9:48:38 PM

JOB DESCRIPTION

Triste Draw 5 Federal #2 SDG NUMBER 03D2024096

JOB NUMBER

890-3627-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



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

Generated 12/23/2022 9:48:38 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Laboratory Job ID: 890-3627-1
SDG: 03D2024096

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Definitions/Glossary

Job ID: 890-3627-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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**

Detection Limit (DoD/DOE) DL

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 Method Quantitation Limit MQL

NC Not Calculated

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

NFG 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)

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3627-1

SDG: 03D2024096

Job ID: 890-3627-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3627-1

Receipt

The samples were received on 12/12/2022 4:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS06 (890-3627-1) and SS07 (890-3627-2).

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 surrogate recovery for the blank associated with preparation batch 880-41840 and analytical batch 880-42076 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS06 (890-3627-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS06 Lab Sample ID: 890-3627-1

Date Collected: 12/12/22 09:30 Matrix: Solid Date Received: 12/12/22 16:10

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/22/22 09:35	12/23/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			12/22/22 09:35	12/23/22 12:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/22/22 09:35	12/23/22 12:42	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/23/22 17:07	1
	J. Damma Overan	:ee (DDO) (20)					
Mothod: SW846 8016 NM - Dioca								
Method: SW846 8015 NM - Diese Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/19/22 15:08	Dil Fac
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte	Result <49.9 sel Range Orga	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga	Qualifier U nics (DRO) Qualifier	RL 49.9	mg/Kg	-	<u> </u>	12/19/22 15:08	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg	-	Prepared	12/19/22 15:08 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg	-	Prepared 12/14/22 14:33	12/19/22 15:08 Analyzed 12/17/22 20:23	Dil Fac
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 <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 12/14/22 14:33 12/14/22 14:33	12/19/22 15:08 Analyzed 12/17/22 20:23 12/17/22 20:23	1 Dil Fac
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	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 12/14/22 14:33 12/14/22 14:33	12/19/22 15:08 Analyzed 12/17/22 20:23 12/17/22 20:23	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 12/14/22 14:33 12/14/22 14:33 12/14/22 14:33 Prepared	Analyzed 12/17/22 20:23 12/17/22 20:23 12/17/22 20:23 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 12/14/22 14:33 12/14/22 14:33 12/14/22 14:33 Prepared 12/14/22 14:33	Analyzed 12/17/22 20:23 12/17/22 20:23 12/17/22 20:23 Analyzed 12/17/22 20:23	Dil Fac 1 1 Dil Fac 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 12/14/22 14:33 12/14/22 14:33 12/14/22 14:33 Prepared 12/14/22 14:33	Analyzed 12/17/22 20:23 12/17/22 20:23 12/17/22 20:23 Analyzed 12/17/22 20:23	1 Dil Fac 1

Client Sample ID: SS07 Lab Sample ID: 890-3627-2

Date Collected: 12/12/22 09:35 Date Received: 12/12/22 16:10

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/22/22 09:35	12/23/22 13:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			12/22/22 09:35	12/23/22 13:02	1

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Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<4.97 U

Client Sample Results

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SS07 Lab Sample ID: 890-3627-2 Date Collected: 12/12/22 09:35

Matrix: Solid

Date Received: 12/12/22 16:10 Sample Depth: 2'

Analyte

Chloride

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130			12/22/22 09:35	12/23/22 13:02	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/23/22 17:07	1
Method: SW846 8015 NM - Diese	I Range Organi	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8	mg/Kg			12/19/22 15:08	1
Total TPH : Method: SW846 8015B NM - Dies Analyte	sel Range Orga			mg/Kg Unit	D	Prepared	12/19/22 15:08 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	(GC)		D	Prepared 12/14/22 14:33		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	unics (DRO) Qualifier	(GC)	Unit	<u>D</u>		Analyzed	1 Dil Fac
Method: SW846 8015B NM - Dies	sel Range Orga Result <49.8	Qualifier U	(GC) RL 49.8	<mark>Unit</mark> mg/Kg	<u>D</u>	12/14/22 14:33	Analyzed 12/17/22 20:44	Dil Fac 1 1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <49.8 <49.8	Qualifier U	(GC) RL 49.8	<mark>Unit</mark> mg/Kg	D	12/14/22 14:33	Analyzed 12/17/22 20:44 12/17/22 20:44	Dil Fac 1 1 Dil Fac Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.8 <49.8	Qualifier U	(GC) RL 49.8 49.8 49.8	<mark>Unit</mark> mg/Kg	D_	12/14/22 14:33 12/14/22 14:33 12/14/22 14:33	Analyzed 12/17/22 20:44 12/17/22 20:44 12/17/22 20:44	1 1

4.97

Unit

mg/Kg

Prepared

Analyzed

12/20/22 10:40

Dil Fac

Surrogate Summary

Client: Ensolum Job ID: 890-3627-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3627-1	SS06	91	104	
890-3627-1 MS	SS06	91	110	
890-3627-1 MSD	SS06	91	106	
890-3627-2	SS07	93	104	
LCS 880-42484/1-A	Lab Control Sample	90	107	
LCSD 880-42484/2-A	Lab Control Sample Dup	90	103	
MB 880-42368/101	Method Blank	82	105	
MB 880-42484/5-A	Method Blank	84	103	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ne (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		1001	OTPH1	_
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3624-A-1-C MS	Matrix Spike	119	92	
890-3624-A-1-D MSD	Matrix Spike Duplicate	106	92	
890-3627-1	SS06	133 S1+	126	
890-3627-2	SS07	130	123	
LCS 880-41840/2-A	Lab Control Sample	109	103	
LCSD 880-41840/3-A	Lab Control Sample Dup	106	114	
MB 880-41840/1-A	Method Blank	141 S1+	140 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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2

3

4

6

_

10

12

13

Dil Fac

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42368/101

Matrix: Solid Analysis Batch: 42368

MB	MB					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed
0.00200	U	0.00200	mg/Kg			12/23/22 00:3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg			12/23/22 00:36	
Toluene	<0.00200	U	0.00200	mg/Kg			12/23/22 00:36	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			12/23/22 00:36	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			12/23/22 00:36	
o-Xylene	<0.00200	U	0.00200	mg/Kg			12/23/22 00:36	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			12/23/22 00:36	

	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	_		12/23/22 00:36	1
1.4-Difluorobenzene (Surr)	105		70 - 130			12/23/22 00:36	1

Lab Sample ID: MB 880-42484/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 42368 Prep Batch: 42484

	MB M	МВ						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	J	0.00200	mg/Kg	_	12/22/22 09:35	12/23/22 12:13	
Toluene	<0.00200 l	IJ	0.00200	mg/Kg		12/22/22 09:35	12/23/22 12:13	
Ethylbenzene	<0.00200 l	IJ	0.00200	mg/Kg		12/22/22 09:35	12/23/22 12:13	
m-Xylene & p-Xylene	<0.00400 U	J	0.00400	mg/Kg		12/22/22 09:35	12/23/22 12:13	
o-Xylene	<0.00200 U	IJ	0.00200	mg/Kg		12/22/22 09:35	12/23/22 12:13	
Xylenes, Total	<0.00400 U	IJ	0.00400	mg/Kg		12/22/22 09:35	12/23/22 12:13	

	MB I	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/22/22 09:35	12/23/22 12:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/22/22 09:35	12/23/22 12:13	1

Lab Sample ID: LCS 880-42484/1-A **Client Sample ID: Lab Control Sample Matrix: Solid**

Prep Type: Total/NA **Analysis Batch: 42368** Prep Batch: 42484

		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.1191		mg/Kg		119	70 - 130	
	Toluene	0.100	0.09639		mg/Kg		96	70 - 130	
	Ethylbenzene	0.100	0.08898		mg/Kg		89	70 - 130	
İ	m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130	
	o-Xylene	0.100	0.08496		mg/Kg		85	70 - 130	

o-Xylene			0.100	0.08496	mg/Kg	8
	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	90		70 - 130			

107

Lab Sample ID: LCSD 880-42484/2-A	Client Sample ID: Lab Control Sample Dup
Matrix: Solid	Prep Type: Total/NA
Assolute Details 40000	Duran Databa 40404

70 - 130

Analysis Batch: 42368 Prep Batch: 42484 Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit %Rec Limits **RPD** Limit Benzene 0.100 0.09906 mg/Kg 99 70 - 130 18 35

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1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: LCSD 880-42484/2-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 42484

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08491		mg/Kg		85	70 - 130	13	35
Ethylbenzene	0.100	0.07818		mg/Kg		78	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1552		mg/Kg		78	70 - 130	13	35
o-Xylene	0.100	0.07590		mg/Kg		76	70 - 130	11	35

LCSD LCSD

Surrogate	%Recovery Qu	ıalifier Limits
4-Bromofluorobenzene (Surr)	90	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-3627-1 MS

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: SS06 Prep Type: Total/NA

Prep Batch: 42484

MS MS %Rec Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00199 0.100 0.1081 108 70 - 130 mg/Kg Toluene <0.00199 U 0.100 0.08537 85 70 - 130 mg/Kg Ethylbenzene <0.00199 U 0.100 0.07765 77 70 - 130 mg/Kg 0.201 m-Xylene & p-Xylene <0.00398 U 0.1523 76 70 - 130 mg/Kg o-Xylene <0.00199 U 0.100 0.07560 mg/Kg 75 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	91	70 - 130
1,4-Difluorobenzene (Surr)	110	70 - 130

Lab Sample ID: 890-3627-1 MSD

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: SS06

Prep Type: Total/NA

Prep Batch: 42484

7											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0990	0.1075		mg/Kg		109	70 - 130	1	35
Toluene	<0.00199	U	0.0990	0.08589		mg/Kg		87	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.07802		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1532		mg/Kg		77	70 - 130	1	35
o-Xylene	<0.00199	U	0.0990	0.07517		mg/Kg		76	70 - 130	1	35

MSD MSD

мв мв Result Qualifier

<50.0 U

Surrogate	76Kecovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-41840/1-A

Matrix: Solid

Analysis Batch: 42076

Gasoline Range Organics

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

Prepared

12/14/22 14:33

Prep Batch: 41840

12/17/22 08:52

(GRO)-C6-C10

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RL

50.0

Unit

mg/Kg

Client: Ensolum Job ID: 890-3627-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: MB 880-41840/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 42076	Prep Batch: 41840

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/22 14:33	12/17/22 08:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/22 14:33	12/17/22 08:52	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130			12/14/22 14:33	12/17/22 08:52	1
o-Terphenyl	140	S1+	70 - 130			12/14/22 14:33	12/17/22 08:52	1

_ _ ah Camula D. CC 000 44	1940/9 A						Client	Camala	ID: Lab Cant	ual Camani
Lab Sample ID: LCS 880-41	184U/2-A						Cilent	Sample	ID: Lab Cont	
Matrix: Solid										e: Total/N
Analysis Batch: 42076									Prep Ba	itch: 4184
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	890.3		mg/Kg		89	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	873.8		mg/Kg		87	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	103		70 ₋ 130							

	Lab Sample ID: LCSD 880-41840/3-A				Clie	nt San	iple ID:	Lab Contro	ol Sampl	e Dup
	Matrix: Solid							Prep 1	Type: To	tal/NA
	Analysis Batch: 42076							Prep	Batch:	41840
		Spike	LCSD	LCSD				%Rec		RPD
1	Analyte	Added	Result	Qualifier	Unit	_ D	%Rec	Limits	RPD	Limit
	Gasoline Range Organics (GRO)-C6-C10	1000	927.5		mg/Kg		93	70 - 130	4	20
	Diesel Range Organics (Over C10-C28)	1000	976.8		mg/Kg		98	70 - 130	11	20

Diesei Range Organics (Over			1000	976.8	mg/Kg	98	70
C10-C28)							
	LCSD	LCSD					
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	106		70 - 130				

o-Terphenyl	114		70 - 130								
Lab Sample ID: 890-3624-A-1-C MS Matrix: Solid Analysis Batch: 42076								Client	Prep 1	: Matrix Spik Type: Total/N Batch: 4184	IA
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	_ <u>D</u>	%Rec	Limits		

	Campio	Gumpio	Opino						701100
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1103		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1025		mg/Kg		103	70 - 130
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	92		70 - 130						

Job ID: 890-3627-1

Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: 890-3624-A-1-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 42076 Prep Batch: 41840

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1074		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over	<50.0	U	997	1029		mg/Kg		103	70 - 130	0	20

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	92		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41906/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 42175

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/20/22 09:53	1

Lab Sample ID: LCS 880-41906/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 42175

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	260.6		mg/Kg		104	90 - 110	

Lab Sample ID: LCSD 880-41906/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 42175

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	259.4		mg/Kg		104	90 - 110	0	20	

Lab Sample ID: 890-3627-1 MS Client Sample ID: SS06 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 42175

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	<5.05	U	253	258.4		ma/Ka	_	102	90 110	

Lab Sample ID: 890-3627-1 MSD **Client Sample ID: SS06 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 42175

Allalysis Datcil. 42175												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	<5.05	U	253	264.8		mg/Kg		104	90 - 110	2	20	

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

GC VOA

Analysis Batch: 42368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	8021B	42484
890-3627-2	SS07	Total/NA	Solid	8021B	42484
MB 880-42368/101	Method Blank	Total/NA	Solid	8021B	
MB 880-42484/5-A	Method Blank	Total/NA	Solid	8021B	42484
LCS 880-42484/1-A	Lab Control Sample	Total/NA	Solid	8021B	42484
LCSD 880-42484/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42484
890-3627-1 MS	SS06	Total/NA	Solid	8021B	42484
890-3627-1 MSD	SS06	Total/NA	Solid	8021B	42484

Prep Batch: 42484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	5035	
890-3627-2	SS07	Total/NA	Solid	5035	
MB 880-42484/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42484/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42484/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3627-1 MS	SS06	Total/NA	Solid	5035	
890-3627-1 MSD	SS06	Total/NA	Solid	5035	

Analysis Batch: 42574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	Total BTEX	
890-3627-2	SS07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	8015NM Prep	
890-3627-2	SS07	Total/NA	Solid	8015NM Prep	
MB 880-41840/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41840/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41840/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3624-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3624-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	8015B NM	41840
890-3627-2	SS07	Total/NA	Solid	8015B NM	41840
MB 880-41840/1-A	Method Blank	Total/NA	Solid	8015B NM	41840
LCS 880-41840/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41840
LCSD 880-41840/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41840
890-3624-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	41840
890-3624-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41840

Analysis Batch: 42196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Total/NA	Solid	8015 NM	_ ·
890-3627-2	SS07	Total/NA	Solid	8015 NM	

Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Job ID: 890-3627-1
SDG: 03D2024096

HPLC/IC

Leach Batch: 41906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Soluble	Solid	DI Leach	
890-3627-2	SS07	Soluble	Solid	DI Leach	
MB 880-41906/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41906/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41906/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3627-1 MS	SS06	Soluble	Solid	DI Leach	
890-3627-1 MSD	SS06	Soluble	Solid	DI Leach	

Analysis Batch: 42175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3627-1	SS06	Soluble	Solid	300.0	41906
890-3627-2	SS07	Soluble	Solid	300.0	41906
MB 880-41906/1-A	Method Blank	Soluble	Solid	300.0	41906
LCS 880-41906/2-A	Lab Control Sample	Soluble	Solid	300.0	41906
LCSD 880-41906/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41906
890-3627-1 MS	SS06	Soluble	Solid	300.0	41906
890-3627-1 MSD	SS06	Soluble	Solid	300.0	41906

Eurofins Carlsbad

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Date Received: 12/12/22 16:10

Client: Ensolum Project/Site: Triste Draw 5 Federal #2

8015B NM

DI Leach

300.0

Job ID: 890-3627-1 SDG: 03D2024096

Client Sample ID: SS06 Lab Sample ID: 890-3627-1 Date Collected: 12/12/22 09:30

Matrix: Solid

EET MID

EET MID

EET MID

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 42484 Total/NA Prep 5.03 g 5 mL 12/22/22 09:35 MNR **EET MID** 8021B Total/NA Analysis 1 5 mL 5 mL 42368 12/23/22 12:42 SM **EET MID** Total/NA Analysis Total BTEX 42574 12/23/22 17:07 AJ EET MID Total/NA 8015 NM 12/19/22 15:08 **EET MID** Analysis 1 42196 SM Total/NA 8015NM Prep 41840 12/14/22 14:33 EET MID Prep 10.03 g 10 mL DM

Client Sample ID: SS07 Lab Sample ID: 890-3627-2

Date Collected: 12/12/22 09:35 **Matrix: Solid**

1 uL

4.95 g

50 mL

1 uL

50 mL

50 mL

42076

41906

42175

12/17/22 20:23

12/15/22 11:02

12/20/22 10:16

SM

KS

СН

Date Received: 12/12/22 16:10

Analysis

Analysis

Leach

Total/NA

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42484	12/22/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/23/22 13:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42574	12/23/22 17:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42196	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41840	12/14/22 14:33	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/17/22 20:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41906	12/15/22 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42175	12/20/22 10:40	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3627-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of		it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
Analysis Method	Doors Made and	Matrix		
/ triary 515 TVICTIOG	Prep Method	Maurx	Analyte	
8015 NM	Ргер метпоа	Solid	Analyte Total TPH	

Method Summary

Client: Ensolum Job ID: 890-3627-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

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

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Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3627-1

SDG: 03D2024096

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	D
890-3627-1	SS06	Solid	12/12/22 09:30	12/12/22 16:10	2'
890-3627-2	SS07	Solid	12/12/22 09:35	12/12/22 16:10	2'

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Relinquished by: (Signature)

- Server

2/2/2 Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Received by: (Signature)

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 enforced unless previously negotiated. 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

SIOH, 17 (201) 270-7200, Dallas, 17 (41-7) 882 8888

eurofins		Environment Testing	(C)	Hou: Midlan	ston, TX d, TX (4	((281) 2 32) 704-	40-4200 5440, S), Dalla an Anto	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334)2-0300 509-3334			Wor	Work Order No:	No:			12/23
	Xenco			EL Pa	aso, TX s, NM ((915) 58 575) 392	35-3443 2-7550,	. Lubbo Carlsba	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	94-1296 88-3199			W	www.xenco.com	com	Page	of]	ינ
Project Manager:	Hadlie Green			Bill to: (if different)	3	Kalei J	Kalei Jennings	S						Work Or	der Cc	Work Order Comments		
	Ensolum, LLC			Company Name:	is.	Ensolu	Ensolum, LLC	·				Program: UST/PST	UST/PST[☐ PRP☐	3rownf] PRP 🗌 Brownfields 🗌 RRC 📗	C ☐ Superfund [L
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e ZIP:	Carlsbad, NM, 88220		0	City, State ZIP:		Carlsb	Carlsbad, NM, 87020	, 8702				Reporting:	Level II	Level III L	JPST/I	Reporting: Level II Level III PST/UST TRRP	RP Level IV	
	432-557-8895		Email:	Email: hgreen@ensolum.com, kjennings@ensolum.com	lum.co	om, kje	nnings	@ens	olum.com		L	Deliverables: EDD	s: EDD	-	ADaPT L	Other:	er:	L
Project Name:	Triste Draw 5 Federal #2	eral #2	Turn /	Turn Around						ANALYSIS REQUEST	S REC	NEST				Presen	Preservative Codes	
Project Number:	03D2024096	_	☑ Routine	Rush	Pres. Code										7	None: NO	DI Water: H ₂ O	
Project Location:	32.238333, -103.723333		Due Date:										_			Cool: Cool	MeOH: Me	
Sampler's Name:	Julianna Falcomata		TAT starts the	TAT starts the day received by								_				HCL: HC	HNO3: HN	
PO#			the lab, if rece	ved by 4:30pm	ers					-					-	H ₂ >U ₄ . H ₂	NaOn: Na	
SAMPLE RECEIPT	Temp Blank:	(Pes) No	Wet ice:	(Yes) No	met	0.0)									, ,	H ₃ PO ₄ : HP	SIC SIC	
Samples Received Intact:	Yes N	o Thermometer ID:	Ö	Jan John	Para	A: 30									7 7	Na ₂ S ₂ O ₃ : NaSO ₃	30 ₃	21
Sample Custody Seals:	Yes No (N/A	Temperature Reading:	Reading:	S		S (EF				Chain of Custody	of C	ustody	_ \	_	N	Zn Acetate+NaOH: Zn	laOH: Zn	of
Total Containers:		Corrected Temperature:	nperature:	2.10		≀iDE	015)	8021)68 :)-362/ 0	. /3	_			1 -	laOH+Ascor	NaOH+Ascorbic Acid: SAPC	19
Sample Identification	tification Matrix	Date Sampled	Time Sampled	Depth Grab/	# of Cont	CHLOR	TPH (8	STEX (,							Sample	Sample Comments	I Page
3506	X CO	1	0930	·2' C	-	\	\ <u>`</u>	1		+-	+-							
1,095	cf.	12-12-12	0485	c	-	<	<	_								nAPP	nAPP2229033410	
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Circle Method(s) and I	Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn	CRA	Sh As	s Ba	Be Co	Cr Co C	u Pb Mn	۱ - ۱	Mo Ni Se Ag TI U	:		631/2	45.1 / 747	1 / 7471	29/2
Cucie Method(a) at	id Metal(a) to be allaly	700	100	E 00.0. 0.	0.0	18						k						2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3627-1 SDG Number: 03D2024096

Login Number: 3627 List Source: Eurofins Carlsbad

List Number: 1 Creator: Stutzman, Amanda

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 True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) 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 N/A Sample Preservation Verified. There is sufficient vol. for all requested analyses, incl. any requested True MS/MSDs Containers requiring zero headspace have no headspace or bubble is N/A

<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3627-1 SDG Number: 03D2024096

Login Number: 3627
List Source: Eurofins Midland
List Number: 2
List Creation: 12/14/22 12:10 PM

Creator: Rodriguez, Leticia

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400

Midland, Texas 79701

Generated 12/27/2022 9:08:39 AM

JOB DESCRIPTION

Triste Draw 5 Federal #2 SDG NUMBER 03D2024096

JOB NUMBER

890-3661-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



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

Generated 12/27/2022 9:08:39 AM

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

Client: Ensolum Laboratory Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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Definitions/Glossary

Job ID: 890-3661-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Qualifiers

GC VOA

Qualifier **Qualifier Description** S1+ Surrogate recovery exceeds control limits, high biased. U

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description *1 LCS/LCSD RPD exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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)
DI RA RE IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

MDL ML MPN

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

Minimum Level (Dioxin) Most Probable Number MOI Method Quantitation Limit

NC Not Calculated

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

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Minimum Detectable Activity (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Limit of Quantitation (DoD/DOE)

NEG Negative / Absent POS Positive / Present **Practical Quantitation Limit PQL**

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3661-1

SDG: 03D2024096

Job ID: 890-3661-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3661-1

Receipt

The samples were received on 12/14/2022 4:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW01 (890-3661-1), FS01 (890-3661-2), FS02 (890-3661-3), FS03 (890-3661-4) and FS04 (890-3661-5).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS01 (890-3661-2), FS02 (890-3661-3), FS03 (890-3661-4), FS04 (890-3661-5), (LCS 880-42526/1-A), (LCSD 880-42526/2-A) and (880-22856-A-74-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-22201-A-7-D MS) and (880-22201-A-7-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: FS04 (890-3661-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-42052 and analytical batch 880-42108 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-42030 and analytical batch 880-42110 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-42030/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The method blank for preparation batch 880-42030 and analytical batch 880-42110 contained OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-42030 and analytical batch 880-42110 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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.

Matrix: Solid

Lab Sample ID: 890-3661-1

Client Sample Results

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SW01

Date Collected: 12/13/22 11:10 Date Received: 12/14/22 16:27

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
Ethylbenzene	0.00234		0.00200	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/26/22 10:49	12/26/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			12/26/22 10:49	12/26/22 20:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			12/26/22 10:49	12/26/22 20:04	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			12/27/22 09:32	1
Method: SW846 8015 NM - Diese	•		•					
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/19/22 17:07	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <49.9 sel Range Orga Result	Qualifier U	RL 49.9	mg/Kg			12/19/22 17:07	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U *1	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U *1	RL 49.9 (GC)	mg/Kg		Prepared	12/19/22 17:07 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U *1	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30 12/18/22 20:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U *1	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U *1 U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30 12/18/22 20:30	Dil Fac
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	Qualifier U nics (DRO) Qualifier U *1 U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30 12/18/22 20:30 12/18/22 20:30	Dil Face 1 1 1 Dil Face
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 <49.9	Qualifier U nics (DRO) Qualifier U *1 U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29 12/16/22 13:29 Prepared	Analyzed 12/18/22 20:30 12/18/22 20:30 12/18/22 20:30 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29 12/16/22 13:29 Prepared 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30 12/18/22 20:30 12/18/22 20:30 Analyzed 12/18/22 20:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 13:29 12/16/22 13:29 12/16/22 13:29 Prepared 12/16/22 13:29	12/19/22 17:07 Analyzed 12/18/22 20:30 12/18/22 20:30 12/18/22 20:30 Analyzed 12/18/22 20:30	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: FS01

Date Collected: 12/14/22 10:30

Date Received: 12/14/22 16:27

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/22/22 13:29	12/26/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130			12/22/22 13:29	12/26/22 22:59	1

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Lab Sample ID: 890-3661-2

Matrix: Solid

Client: Ensolum

Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: FS01

Lab Sample ID: 890-3661-2 Date Collected: 12/14/22 10:30 Matrix: Solid Date Received: 12/14/22 16:27

Sample Depth: 4'

Method: SW846 8021B	- Volatile Organic	Compounds ((GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 4-Difluorobenzene (Surr)	88	70 _ 130	12/22/22 13:29	12/26/22 22:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	mg/Kg			12/27/22 09:25	1

l .		
Method: SW846 8015 NM -	Discal Dance Occasion	(DDO) (CC)
I WETDOO'S WAAH AU15 NIVI .	. Diesei Ranne Ornanics	(I)R()) ((=(.)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/19/22 15:23	1

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

		(,	(/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		12/16/22 14:44	12/19/22 03:25	1
(GRO)-C6-C10	-10.0	11 *4	40.0			40/40/00 44:44	12/19/22 03:25	4
Diesel Range Organics (Over C10-C28)	<49.9	0 "1	49.9	mg/Kg		12/16/22 14:44	12/19/22 03:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/16/22 14:44	12/19/22 03:25	1
Surrogato	%Pacayary	Qualifier	Limite			Propared	Analyzod	Dil Eac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106	70 - 130	12/16/22 14:44	12/19/22 03:25	1
o-Terphenyl	102	70 - 130	12/16/22 14:44	12/19/22 03:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18500		100	mg/Kg			12/23/22 19:55	20

Client Sample ID: FS02 Lab Sample ID: 890-3661-3

Date Collected: 12/14/22 11:00 Date Received: 12/14/22 16:27

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/22/22 13:29	12/26/22 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			12/22/22 13:29	12/26/22 23:26	1
4.4.000	00		70 400			10/00/00 10 00	10/00/00 00 00	

	<u>-</u>				
4-Bromofluorobenzene (Surr)	154 S1+	70 - 130	12/22/22 13:29	12/26/22 23:26	1
1,4-Difluorobenzene (Surr)	88	70 - 130	12/22/22 13:29	12/26/22 23:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/27/22 09:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/19/22 15:23	1

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: FS02

Date Collected: 12/14/22 11:00 Date Received: 12/14/22 16:27

Sample Depth: 4'

Lab Sample ID: 890-3661-3

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/16/22 14:44	12/19/22 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		12/16/22 14:44	12/19/22 03:46	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/16/22 14:44	12/19/22 03:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			12/16/22 14:44	12/19/22 03:46	1
o-Terphenyl	91		70 - 130			12/16/22 14:44	12/19/22 03:46	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13000		100	mg/Kg			12/23/22 20:04	20

Client Sample ID: FS03 Lab Sample ID: 890-3661-4 Date Collected: 12/14/22 11:05

Date Received: 12/14/22 16:27

Sample Depth: 4'

Method: SW846 8021B - Volatile								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/22/22 13:29	12/26/22 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130			12/22/22 13:29	12/26/22 23:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130			12/22/22 13:29	12/26/22 23:53	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/27/22 09:25	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		— – n	Prenared		
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <50.0	ics (DRO) (Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	RL 50.0	<mark>Unit</mark> mg/Kg			Analyzed 12/19/22 15:23	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 12/19/22 15:23 Analyzed	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	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *1	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 12/16/22 14:44	Analyzed 12/19/22 15:23 Analyzed 12/19/22 04:07	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)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U*1	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 14:44 12/16/22 14:44	Analyzed 12/19/22 15:23 Analyzed 12/19/22 04:07 12/19/22 04:07	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)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U*1	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/16/22 14:44 12/16/22 14:44 12/16/22 14:44	Analyzed 12/19/22 15:23 Analyzed 12/19/22 04:07 12/19/22 04:07 12/19/22 04:07	Dil Fac Dil Fac

Matrix: Solid

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: FS03 Lab Sample ID: 890-3661-4

Date Collected: 12/14/22 11:05 Matrix: Solid

Date Received: 12/14/22 16:27 Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed 50.2 12/23/22 20:13 Chloride 5640 mg/Kg

Client Sample ID: FS04 Lab Sample ID: 890-3661-5

Date Collected: 12/14/22 11:10 Date Received: 12/14/22 16:27

9090

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/27/22 00:20	
Toluene	< 0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/27/22 00:20	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/27/22 00:20	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/22/22 13:29	12/27/22 00:20	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		12/22/22 13:29	12/27/22 00:20	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/22/22 13:29	12/27/22 00:20	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130			12/22/22 13:29	12/27/22 00:20	
1,4-Difluorobenzene (Surr)	94		70 - 130			12/22/22 13:29	12/27/22 00:20	:
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/27/22 09:25	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/19/22 15:23	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			12/19/22 15:23	
Method: SW846 8015B NM - Dies		,	• •					
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/16/22 14:44	12/19/22 04:29	•
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		12/16/22 14:44	12/19/22 04:29	•
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/16/22 14:44	12/19/22 04:29	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	134	S1+	70 - 130			12/16/22 14:44	12/19/22 04:29	
o-Terphenyl	121		70 - 130			12/16/22 14:44	12/19/22 04:29	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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12/23/22 20:21

50.0

mg/Kg

10

Chloride

Surrogate Summary

Job ID: 890-3661-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acc
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
320-6771-A-1 MS	Matrix Spike	92	101	
320-6771-A-1 MSD	Matrix Spike Duplicate	101	108	
880-22856-A-74-C MS	Matrix Spike	128	89	
880-22856-A-74-D MSD	Matrix Spike Duplicate	135 S1+	98	
390-3661-1	SW01	134 S1+	103	
390-3661-2	FS01	156 S1+	88	
390-3661-3	FS02	154 S1+	88	
390-3661-4	FS03	149 S1+	87	
390-3661-5	FS04	164 S1+	94	
CS 880-42487/1-A	Lab Control Sample	91	89	
CS 880-42526/1-A	Lab Control Sample	140 S1+	91	
CSD 880-42487/2-A	Lab Control Sample Dup	95	92	
CSD 880-42526/2-A	Lab Control Sample Dup	135 S1+	85	
MB 880-42487/5-A	Method Blank	97	92	
MB 880-42526/5-A	Method Blank	94	81	
Surrogate Legend				
BFB = 4-Bromofluoroben DFBZ = 1,4-Difluorobenz	, ,			

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

Matrix: Solid Prep Type: Total/NA

natrixi oona				
-				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-22201-A-7-D MS	Matrix Spike	71	66 S1-	
880-22201-A-7-E MSD	Matrix Spike Duplicate	74	67 S1-	
880-22829-A-1-D MS	Matrix Spike	112	106	
880-22829-A-1-E MSD	Matrix Spike Duplicate	97	98	
890-3661-1	SW01	120	129	
890-3661-2	FS01	106	102	
890-3661-3	FS02	97	91	
890-3661-4	FS03	116	108	
890-3661-5	FS04	134 S1+	121	
LCS 880-42030/2-A	Lab Control Sample	104	121	
LCS 880-42052/2-A	Lab Control Sample	105	108	
LCSD 880-42030/3-A	Lab Control Sample Dup	118	135 S1+	
LCSD 880-42052/3-A	Lab Control Sample Dup	80	89	
MB 880-42030/1-A	Method Blank	148 S1+	168 S1+	
MB 880-42052/1-A	Method Blank	117	114	
0				
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3661-1

SDG: 03D2024096

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42487/5-A

Matrix: Solid Analysis Batch: 42596 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42487

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/22/22 10:36	12/26/22 13:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/22/22 10:36	12/26/22 13:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/22/22 10:36	12/26/22 13:51	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	12/22/22 10:36	12/26/22 13:51	1
1,4-Difluorobenzene (Surr)	92	70 - 130	12/22/22 10:36	12/26/22 13:51	1

Spike

Added

0.100

0.100

0.100

0.200

0.100

LCS LCS

0.1000

0.09654

0.08827

0.1924

0.09417

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Lab Sample ID: LCS 880-42487/1-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 42596

Client Sample ID: Lab Control Sample

70 - 130

70 - 130

70 - 130

%Rec

100

97

88

96

Prep Type: Total/NA Prep Batch: 42487

%Rec Limits 70 - 130 70 - 130

LCS LCS

Surrogate	%Recovery G	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-42487/2-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42487

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	7	35	
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	6	35	
Ethylbenzene	0.100	0.09383		mg/Kg		94	70 - 130	6	35	
m-Xylene & p-Xylene	0.200	0.2059		mg/Kg		103	70 - 130	7	35	
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130	7	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	· Limits
4-Bromofluorobenzene (Surr)	95	70 - 130
1 4-Difluorobenzene (Surr)	92	70 130

Lab Sample ID: MB 880-42526/5-A

Matrix: Solid

Analysis Batch: 42597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42526

	IVID							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 14:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 14:32	1

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Client: Ensolum Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3661-1

mg/Kg

mg/Kg

SDG: 03D2024096

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

Lab Sample ID: MB 880-42526/5-A

Matrix: Solid

Analysis Batch: 42597

Client	Sample	ID: Me	thod E	lank

Prep Type: Total/NA

ep Batch: 42526

		Pre

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 14:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/22/22 13:29	12/26/22 14:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/22/22 13:29	12/26/22 14:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/22/22 13:29	12/26/22 14:32	1

MB MB

Surrogate	%Recovery Qu	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	70 - 130	12/22/22 13:29	12/26/22 14:32	1
1,4-Difluorobenzene (Surr)	81	70 - 130	12/22/22 13:29	12/26/22 14:32	1

Lab Sample ID: LCS 880-42526/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 42597

m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 42597							Prep	Batch: 42526
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09356		mg/Kg		94	70 - 130	
Toluene	0.100	0.09765		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130	

0.2336

0.1138

0.200

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-42526/2-A

Matrix: Solid

Analysis Batch: 42597

Cliant	Comple	ID: I al	Contro	l Sample	D
Cilent	Sample	ID. La		ı Samble	Duu

70 - 130

70 - 130

117

114

Prep Type: Total/NA

Prep Batch: 42526

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09587		mg/Kg		96	70 - 130	2	35
Toluene	0.100	0.09015		mg/Kg		90	70 - 130	8	35
Ethylbenzene	0.100	0.1065		mg/Kg		106	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130	8	35
o-Xylene	0.100	0.1065		mg/Kg		106	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-22856-A-74-C MS

Matrix: Solid

Analysis Batch: 42597

Client	Sample	ID: N	latrix	Spil	ke
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Prep Type: Total/NA

Prep Batch: 42526

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.09559		mg/Kg		95	70 - 130	
Toluene	<0.00201	U	0.100	0.08474		mg/Kg		85	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.09640		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1944		mg/Kg		97	70 - 130	

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: 880-22856-A-74-C MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 42597 Prep Batch: 42526

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
o-Xylene	<0.00201	U	0.100	0.09771		mg/Kg		98	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-22856-A-74-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 42597 Prep Batch: 42526

	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	0.1016		mg/Kg		103	70 - 130	6	35
Toluene	<0.00201	U	0.0990	0.08891		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0990	0.1012		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2044		mg/Kg		103	70 - 130	5	35
o-Xylene	<0.00201	U	0.0990	0.09883		mg/Kg		100	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 820-6771-A-1 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 42596

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 820-6771-A-1 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 42596

Analysis Batch: 42110

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130

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

Lab Sample ID: MB 880-42030/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

мв мв Analyte Result Qualifier Unit Prepared Analyzed Dil Fac <50.0 U 50.0 12/16/22 13:29 12/18/22 09:55 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <50.0 U 50.0 12/16/22 13:29 12/18/22 09:55 Diesel Range Organics (Over mg/Kg

C10-C28)

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Prep Batch: 42030

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Lab Sample ID: MB 880-42030/1-A

Job ID: 890-3661-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Client Sample ID: Method Blank

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

Matrix: Solid Prep Type: Total/NA Analysis Batch: 42110 Prep Batch: 42030 MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac

Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	12/16/22 13:29	12/18/22 09:55	1
	МВ	МВ					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac

1-Chlorooctane 148 S1+ 70 - 130 12/16/22 13:29 12/18/22 09:55 12/16/22 13:29 o-Terphenyl 168 S1+ 70 - 130 12/18/22 09:55

Lab Sample ID: LCS 880-42030/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 42110** Prep Batch: 42030

Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 839.7 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 994.3 mg/Kg 99 70 - 130

C10-C28) LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 104 o-Terphenyl 121 70 - 130

Lab Sample ID: LCSD 880-42030/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 42110 Prep Batch: 42030

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 1052 105 mg/Kg 70 - 130 22 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1144 114 70 - 130 mg/Kg 20 C10-C28)

LCSD LCSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 118 70 - 130 o-Terphenyl 135 S1+ 70 - 130

Lab Sample ID: 880-22829-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 42110

	Sample	Sample	Spike	IVIS	MIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U *1	999	1174		mg/Kg		115	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	110		999	1275		mg/Kg		117	70 - 130	
C10-C28)										

C10-C28)			
	MS MS		
Surrogate	%Recovery Qua	alifier Lim	iits
1-Chlorooctane	112	70 -	. 130
o-Terphenyl	106	70 -	. 130

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Prep Batch: 42030

Job ID: 890-3661-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

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

Lab Sample ID: 880-22829-A-1-E MSD

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42030

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U *1	997	957.2		mg/Kg		93	70 - 130	20	20
(GRO)-C6-C10											
Diesel Range Organics (Over	110		997	1133		mg/Kg		103	70 - 130	12	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-42052/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 42108

OII Range Organics (Over C28-C36)

12/18/22 21:14

Prep Type: Total/NA Prep Batch: 42052

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 50.0 12/16/22 14:44 12/18/22 21:14 Gasoline Range Organics <50.0 U mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 12/16/22 14:44 12/18/22 21:14

MB MB

<50.0 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117	70 - 130	12/16/22 14:44	12/18/22 21:14	1
o-Terphenvl	114	70 - 130	12/16/22 14:44	12/18/22 21:14	1

50.0

mg/Kg

Lab Sample ID: LCS 880-42052/2-A

Matrix: Solid

Analysis Batch: 42108

Client Sample ID: Lab Control Sample

12/16/22 14:44

Prep Type: Total/NA

Prep Batch: 42052

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	939.0		mg/Kg		94	70 - 130	 	
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1048		mg/Kg		105	70 - 130		
C10-C28)									

LCSD LCSD

865.3

802.1 *1

Result Qualifier

Unit

mg/Kg

mg/Kg

LCS LCS

Surrogate	%Recovery Qualifi	er Limits
1-Chlorooctane	105	70 - 130
o-Terphenyl	108	70 - 130

Lab Sample ID: LCSD 880-42052/3-A

Matrix: Solid

Analysis Batch: 42108

Gasoline Range Organics

Diesel Range Organics (Over

Client San	iple ID: La	ab Contro	I Sample	Dup
-------------------	-------------	-----------	----------	-----

70 - 130

%Rec

87

Prep Type: Total/NA Prep Batch: 42052

RPD %Rec Limits Limit 70 - 130 8 20

C10-C28)

(GRO)-C6-C10

Analyte

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27

20

Spike

Added

1000

1000

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

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

LCSD LCSD

Lab Sample ID: LCSD 880-42052/3-A **Matrix: Solid**

Analysis Batch: 42108

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42052

	2002 .	-005	
Surrogate	%Recovery (Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-22201-A-7-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 42108

Prep Type: Total/NA

Prep Batch: 42052

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	838.8		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U *1	999	801.2		mg/Kg		80	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 71 66 S1-70 - 130 o-Terphenyl

Lab Sample ID: 880-22201-A-7-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 42108

Prep Type: Total/NA

Prep Batch: 42052

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	997	790.2		mg/Kg		77	70 - 130	6	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U *1	997	830.7		mg/Kg		83	70 - 130	4	20
C10-C28)											
(GRO)-C6-C10 Diesel Range Organics (Over								83		4	

MSD MSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 74 o-Terphenyl 67 S1-70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41932/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 42332

мв мв Dil Fac Analyte Result Qualifier RL Unit Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 12/23/22 16:26

Lab Sample ID: LCS 880-41932/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 42332

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	264.6		mg/Kg		106	90 - 110	

QC Sample Results

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-41932/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 42332

	•	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	А	dded	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride		250	264.9		mg/Kg		106	90 - 110	0	20	

Lab Sample ID: 890-3660-A-3-B MS Client Sample ID: Matrix Spike

Prep Type: Soluble Matrix: Solid

Analysis Batch: 42332

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	297		248	566.1		mg/Kg		109	90 - 110	

Lab Sample ID: 890-3660-A-3-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 42332

Sample Sample MSD MSD %Rec RPD Spike Result Qualifier Limit Analyte Added Result Qualifier Unit Limits **RPD** Chloride 297 248 548.6 102 90 - 110 mg/Kg

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

GC VOA

Prep Batch: 42487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42487/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42487/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42487/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 42526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-2	FS01	Total/NA	Solid	5035	<u> </u>
890-3661-3	FS02	Total/NA	Solid	5035	
890-3661-4	FS03	Total/NA	Solid	5035	
890-3661-5	FS04	Total/NA	Solid	5035	
MB 880-42526/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42526/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42526/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22856-A-74-C MS	Matrix Spike	Total/NA	Solid	5035	
880-22856-A-74-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 42593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-1	SW01	Total/NA	Solid	5035	

Analysis Batch: 42596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-1	SW01	Total/NA	Solid	8021B	42593
MB 880-42487/5-A	Method Blank	Total/NA	Solid	8021B	42487
LCS 880-42487/1-A	Lab Control Sample	Total/NA	Solid	8021B	42487
LCSD 880-42487/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42487
820-6771-A-1 MS	Matrix Spike	Total/NA	Solid	8021B	
820-6771-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	

Analysis Batch: 42597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-2	FS01	Total/NA	Solid	8021B	42526
890-3661-3	FS02	Total/NA	Solid	8021B	42526
890-3661-4	FS03	Total/NA	Solid	8021B	42526
890-3661-5	FS04	Total/NA	Solid	8021B	42526
MB 880-42526/5-A	Method Blank	Total/NA	Solid	8021B	42526
LCS 880-42526/1-A	Lab Control Sample	Total/NA	Solid	8021B	42526
LCSD 880-42526/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42526
880-22856-A-74-C MS	Matrix Spike	Total/NA	Solid	8021B	42526
880-22856-A-74-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42526

Analysis Batch: 42646

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Lab	Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	-3661-1	SW01	Total/NA	Solid	Total BTEX	
890-	-3661-2	FS01	Total/NA	Solid	Total BTEX	
890-	-3661-3	FS02	Total/NA	Solid	Total BTEX	
890-	-3661-4	FS03	Total/NA	Solid	Total BTEX	
890-	-3661-5	FS04	Total/NA	Solid	Total BTEX	

Client: Ensolum Job ID: 890-3661-1
Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

GC Semi VOA

Prep Batch: 42030

Lab Sample ID 890-3661-1	Client Sample ID SW01	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-42030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22829-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22829-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 42052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-2	FS01	Total/NA	Solid	8015NM Prep	
890-3661-3	FS02	Total/NA	Solid	8015NM Prep	
890-3661-4	FS03	Total/NA	Solid	8015NM Prep	
890-3661-5	FS04	Total/NA	Solid	8015NM Prep	
MB 880-42052/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42052/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22201-A-7-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22201-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-2	FS01	Total/NA	Solid	8015B NM	42052
890-3661-3	FS02	Total/NA	Solid	8015B NM	42052
890-3661-4	FS03	Total/NA	Solid	8015B NM	42052
890-3661-5	FS04	Total/NA	Solid	8015B NM	42052
MB 880-42052/1-A	Method Blank	Total/NA	Solid	8015B NM	42052
LCS 880-42052/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42052
LCSD 880-42052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42052
880-22201-A-7-D MS	Matrix Spike	Total/NA	Solid	8015B NM	42052
880-22201-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42052

Analysis Batch: 42110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-1	SW01	Total/NA	Solid	8015B NM	42030
MB 880-42030/1-A	Method Blank	Total/NA	Solid	8015B NM	42030
LCS 880-42030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42030
LCSD 880-42030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42030
880-22829-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	42030
880-22829-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42030

Analysis Batch: 42214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-3661-1	SW01	Total/NA	Solid	8015 NM
890-3661-2	FS01	Total/NA	Solid	8015 NM
890-3661-3	FS02	Total/NA	Solid	8015 NM
890-3661-4	FS03	Total/NA	Solid	8015 NM
890-3661-5	FS04	Total/NA	Solid	8015 NM

Eurofins Carlsbad

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Client: Ensolum

Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

HPLC/IC

Leach Batch: 41932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-1	SW01	Soluble	Solid	DI Leach	
890-3661-2	FS01	Soluble	Solid	DI Leach	
890-3661-3	FS02	Soluble	Solid	DI Leach	
890-3661-4	FS03	Soluble	Solid	DI Leach	
890-3661-5	FS04	Soluble	Solid	DI Leach	
MB 880-41932/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41932/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41932/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3660-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3660-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 42332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3661-1	SW01	Soluble	Solid	300.0	41932
890-3661-2	FS01	Soluble	Solid	300.0	41932
890-3661-3	FS02	Soluble	Solid	300.0	41932
890-3661-4	FS03	Soluble	Solid	300.0	41932
890-3661-5	FS04	Soluble	Solid	300.0	41932
MB 880-41932/1-A	Method Blank	Soluble	Solid	300.0	41932
LCS 880-41932/2-A	Lab Control Sample	Soluble	Solid	300.0	41932
LCSD 880-41932/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41932
890-3660-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	41932
890-3660-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41932

Date Received: 12/14/22 16:27

Job ID: 890-3661-1 Client: Ensolum

Project/Site: Triste Draw 5 Federal #2 SDG: 03D2024096

Client Sample ID: SW01 Lab Sample ID: 890-3661-1 Date Collected: 12/13/22 11:10

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.01 g 42593 12/26/22 10:49 AJ **EET MID** 5 g 8021B Total/NA Analysis 1 5 mL 5 mL 42596 12/26/22 20:04 AJ **EET MID** Total/NA Analysis Total BTEX 42646 12/27/22 09:32 SM **EET MID** Total/NA 8015 NM Analysis 1 42214 12/19/22 17:07 SM **EET MID** Total/NA 8015NM Prep 42030 12/16/22 13:29 EET MID Prep 10.03 g 10 mL DM Total/NA Analysis 8015B NM 1 uL 1 uL 42110 12/18/22 20:30 SM **EET MID** Soluble 4.97 g 50 mL 41932 12/15/22 14:26 KS EET MID Leach DI Leach Soluble Analysis 300.0 50 mL 50 mL 42332 12/23/22 19:29 СН **EET MID**

Client Sample ID: FS01 Lab Sample ID: 890-3661-2

Date Collected: 12/14/22 10:30 **Matrix: Solid**

Date Received: 12/14/22 16:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42526	12/22/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42597	12/26/22 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42646	12/27/22 09:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			42214	12/19/22 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42052	12/16/22 14:44	DM	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42108	12/19/22 03:25	SM	EET MIC
Soluble	Leach	DI Leach			4.99 g	50 mL	41932	12/15/22 14:26	KS	EET MIC
Soluble	Analysis	300.0		20	50 mL	50 mL	42332	12/23/22 19:55	CH	EET MID

Lab Sample ID: 890-3661-3 **Client Sample ID: FS02**

Date Collected: 12/14/22 11:00 **Matrix: Solid** Date Received: 12/14/22 16:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42526	12/22/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42597	12/26/22 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42646	12/27/22 09:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			42214	12/19/22 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42052	12/16/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42108	12/19/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41932	12/15/22 14:26	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	42332	12/23/22 20:04	CH	EET MID

Lab Sample ID: 890-3661-4 **Client Sample ID: FS03**

Date Collected: 12/14/22 11:05 **Matrix: Solid** Date Received: 12/14/22 16:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42526	12/22/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42597	12/26/22 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42646	12/27/22 09:25	SM	EET MID

Client: Ensolum Job ID: 890-3661-1 Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

Client Sample ID: FS03

Date Received: 12/14/22 16:27

Lab Sample ID: 890-3661-4 Date Collected: 12/14/22 11:05 Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep	Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total	/NA	Analysis	8015 NM		1			42214	12/19/22 15:23	SM	EET MID
Total	/NA	Prep	8015NM Prep			10.01 g	10 mL	42052	12/16/22 14:44	DM	EET MID
Total	/NA	Analysis	8015B NM		1	1 uL	1 uL	42108	12/19/22 04:07	SM	EET MID
Solul	ole	Leach	DI Leach			4.98 g	50 mL	41932	12/15/22 14:26	KS	EET MID
Solut	ole	Analysis	300.0		10	50 mL	50 mL	42332	12/23/22 20:13	CH	EET MID

Client Sample ID: FS04 Lab Sample ID: 890-3661-5

Date Collected: 12/14/22 11:10 Matrix: Solid

Date Received: 12/14/22 16:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42526	12/22/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42597	12/27/22 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42646	12/27/22 09:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			42214	12/19/22 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42052	12/16/22 14:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42108	12/19/22 04:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41932	12/15/22 14:26	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42332	12/23/22 20:21	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Job ID: 890-3661-1
SDG: 03D2024096

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	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	av include analytes for y
the agency does not of	fer certification.	•	, , ,	.,
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	.,
0 ,		Matrix Solid	, , ,	

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Method Summary

Job ID: 890-3661-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2

SDG: 03D2024096

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

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

Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3661-1

SDG: 03D2024096

Lab Cample ID	Client Commis ID	Matuis	Callagéed	Dessived	
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3661-1	SW01	Solid	12/13/22 11:10	12/14/22 16:27	0-4'
890-3661-2	FS01	Solid	12/14/22 10:30	12/14/22 16:27	4'
890-3661-3	FS02	Solid	12/14/22 11:00	12/14/22 16:27	4'
890-3661-4	FS03	Solid	12/14/22 11:05	12/14/22 16:27	4'
890-3661-5	FS04	Solid	12/14/22 11:10	12/14/22 16:27	4'

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Environment lesing

Company Name: Project Manager:

3122 Nat'l Parks Hwy Ensolum, LLC Hadlie Green

Address: Company Name: Bill to: (if different)

3122 Nat'l Parks Hwy Ensolum, LLC Kalei Jennings

State of Project:

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

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Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

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	4/0 / /4/1	Hg: 1631 / 245.1 / /4/0 / /4/1	Ag TI U Ho	Co Cu Pb Mn Mo Ni Se Ag	Sb As Ba Be Cd Cr Co	CRA S	TCLP / SPLP 6010: 8RCRA	e analyzed	and Metal(s) to be	Circle Method(s) and Metal(s) to be analyzed
	Sn U V Zn	Se Ag SiO ₂ Na Sr Tl Sn ∪ V Zn		Ca Cr Co Cu Fe Pb Mg M	As Ba Be B Cd	1 Al Sb	8RCRA 13PPM Texas 11		010 200.8 / 6020:	Total 200.7 / 6010
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					7777	_	1110 10-4, 6	5 12-18-10		TOMS
Page	Sample Comments	San			TPH (8	# of	Time Depth Grab/	Matrix Date Sampled	ntification	Sample Identification
26	NaOH+Ascorpic Acid. SAFC	NaOH+A			015		imperature: 4 c S	Corrected Temperature:		Total Containers:
3 0	Zn Acetate+NaCH: Zn	Zn Acetat		890-3661 Chain of Custody)		Reading: 50	Temperature Reading	als: Yes No	Sample Custody Seals:
f 2	Nacc ₃	Na ₂ S ₂ O ₃ . NaSO ₃			PA	P	actor: -D.J.	N/A Correction Factor:	ils: Yes No	Cooler Custody Seals:
۵ ع	NABIO	NahsO4: NABIS			: 300	ara	(ID: [M.M-50]	No Thermometer ID:	(Kee	Samples Received Intact:
	• TO	H ₃ PO ₄ : HP			0.0)	mete	Wet Ice: (Xes) No	lank: Yes No	IPT Temp Blank:	SAMPLE RECEIPT
	2 NaOH: Na	П2О04. П2	_	-	-	ers	the lab, if received by 4:30pm			PO#:
		H C C H C					TAT starts the day received by	Julianna Falcomata	Julianna	Sampler's Name:
	<u>_</u>	Cool: Cool					Due Date:	32.238333, -103.723333	32.238333	Project Location:
	DI Water: H ₂ O	None: NO				Code	✓ Routine ☐ Rush	03D2024096	03D2	Project Number:
	Preservative Codes	Pre		ANALYSIS REQUEST			Turn Around	Triste Draw 5 Federal #2	Triste Draw	Project Name:
	Omer:	AUar	Deliverables: EDD L		Email: hgreen@ensolum.com, kjennings@ensolum.com	lum.cor	Email: hgreen@ensc		432-557-8895	Phone:
	- RART L Level IV L		Reporting: Level II Level II LPS1/0S1 LIRRY L	Repo	Carlsbad, NM, 87020		City, State ZIP:	88220	Carlsbad, NM, 88220	City, State ZIP:
	1]			-		011119	0.22.100.1	Addicas.

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Work Order No:

Revised Date: 08/25/2020 Rev. 2020 2

12/27/2022

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3661-1 SDG Number: 03D2024096

Login Number: 3661 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3661-1 SDG Number: 03D2024096

Login Number: 3661 **List Source: Eurofins Midland** List Number: 2

List Creation: 12/16/22 11:35 AM

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	

Eurofins Carlsbad

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/29/2022 4:27:54 PM

JOB DESCRIPTION

Triste Draw 5 Federal #2 SDG NUMBER Lea County, NM

JOB NUMBER

890-3697-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

Generated 12/29/2022 4:27:54 PM

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

Client: Ensolum
Project/Site: Triste Draw 5 Federal #2
Laboratory Job ID: 890-3697-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3697-1

Project/Site: Triste Draw 5 Federal #2

SDG: Lea County, NM

County, NM

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1 Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

 Qualifier
 Qualifier Description

 *1
 LCS/LCSD RPD exceeds control limits.

S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Example 2 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

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Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1

SDG: Lea County, NM

Job ID: 890-3697-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3697-1

Receipt

The sample was received on 12/21/2022 9:54 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 0.8°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SW02 (890-3697-1).

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: The surrogate recovery for the blank associated with preparation batch 880-42468 and analytical batch 880-42463 was outside the upper control limits.

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-42468 and analytical batch 880-42463 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

HPLC/IC

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

Client: Ensolum

Job ID: 890-3697-1

Project/Site: Triste Draw 5 Federal #2 SDG: Lea County, NM

Client Sample ID: SW02 Lab Sample ID: 890-3697-1 Date Collected: 12/20/22 11:00 Matrix: Solid

Date Received: 12/21/22 09:54 Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		12/28/22 14:22	12/29/22 15:10	
Toluene	<0.00202	U	0.00202	mg/Kg		12/28/22 14:22	12/29/22 15:10	•
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/28/22 14:22	12/29/22 15:10	,
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		12/28/22 14:22	12/29/22 15:10	
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/28/22 14:22	12/29/22 15:10	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/28/22 14:22	12/29/22 15:10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	42	S1-	70 - 130			12/28/22 14:22	12/29/22 15:10	
1,4-Difluorobenzene (Surr)	78		70 - 130			12/28/22 14:22	12/29/22 15:10	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total DTEV	<0.00403	U	0.00403	mg/Kg			12/29/22 16:40	
Total BTEX	-0.00100			0 0				
• •				0 0				
Method: SW846 8015 NM - Diese Analyte	el Range Organ			Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared	Analyzed 12/27/22 10:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.9	ics (DRO) (Gualifier	RL 49.9	Unit	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Gualifier	RL 49.9	Unit	<u>D</u>	Prepared Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.9 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.9	Unitmg/Kg		<u> </u>	12/27/22 10:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U *1	(GC) RL RL	Unit mg/Kg Unit mg/Kg		Prepared	12/27/22 10:47 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result Result Result <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U *1	(GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg		Prepared 12/22/22 08:02	12/27/22 10:47 Analyzed 12/22/22 16:33	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result Result Result Result <49.9	ics (DRO) (Control of the control of	(GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 12/22/22 08:02	12/27/22 10:47 Analyzed 12/22/22 16:33	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)	el Range Organ Result 49.9 sel Range Orga Result 49.9 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U*1 U	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/22/22 08:02 12/22/22 08:02	12/27/22 10:47 Analyzed 12/22/22 16:33 12/22/22 16:33	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)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U*1 U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/22/22 08:02 12/22/22 08:02 12/22/22 08:02	12/27/22 10:47 Analyzed 12/22/22 16:33 12/22/22 16:33	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	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U*1 U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/22/22 08:02 12/22/22 08:02 12/22/22 08:02 Prepared	Analyzed 12/22/22 16:33 12/22/22 16:33 12/22/22 16:33 Analyzed	
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 %Recovery 87 90	ics (DRO) (Qualifier U nics (DRO) Qualifier U*1 U Qualifier	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/22/22 08:02 12/22/22 08:02 12/22/22 08:02 Prepared 12/22/22 08:02	Analyzed 12/22/22 16:33 12/22/22 16:33 12/22/22 16:33 Analyzed 12/22/22 16:33	Dil Fac

5.01

mg/Kg

32.1

12/27/22 14:22

Chloride

Surrogate Summary

Client: Ensolum Job ID: 890-3697-1 Project/Site: Triste Draw 5 Federal #2 SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

•				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-23040-A-1-G MS	Matrix Spike	125	86	
880-23040-A-1-H MSD	Matrix Spike Duplicate	129	88	
890-3697-1	SW02	42 S1-	78	
LCS 880-42811/1-A	Lab Control Sample	110	94	
LCSD 880-42811/2-A	Lab Control Sample Dup	112	94	
MB 880-42811/5-A	Method Blank	102	86	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			
DFB7 = 1.4-Difluorobenz	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-22965-A-21-E MS	Matrix Spike	98	85
880-22965-A-21-F MSD	Matrix Spike Duplicate	103	91
890-3697-1	SW02	87	90
LCS 880-42468/2-A	Lab Control Sample	99	100
LCSD 880-42468/3-A	Lab Control Sample Dup	117	117
MB 880-42468/1-A	Method Blank	128	132 S1+

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum

Job ID: 890-3697-1

SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42811/5-A

Lab Sample ID: LCS 880-42811/1-A

Matrix: Solid

Analysis Batch: 42860

Project/Site: Triste Draw 5 Federal #2

Matrix: Solid Analysis Batch: 42860 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42811

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/28/22 14:22	12/29/22 13:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/28/22 14:22	12/29/22 13:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/28/22 14:22	12/29/22 13:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/28/22 14:22	12/29/22 13:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/28/22 14:22	12/29/22 13:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/28/22 14:22	12/29/22 13:26	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 - 130	12/28/22 14:22	12/29/22 13:26	1
1,4-Difluorobenzene (Surr)	86	70 - 130	12/28/22 14:22	12/29/22 13:26	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42811

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits mg/Kg Benzene 0.100 0.1138 114 70 - 130 Toluene 0.100 0.1117 mg/Kg 112 70 - 130 0.100 0.1082 108 Ethylbenzene mg/Kg 70 - 130 70 - 130 0.200 0.2367 m-Xylene & p-Xylene mg/Kg 118 0.100 70 - 130 o-Xylene 0.1166 mg/Kg 117

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-42811/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 42860

Prep Type: Total/NA Prep Batch: 42811

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1164 mg/Kg 116 70 - 130 2 35 Toluene 0.100 0.1138 mg/Kg 114 70 - 130 2 35 Ethylbenzene 0.100 0.1118 mg/Kg 112 70 - 130 3 35 0.200 m-Xylene & p-Xylene 0.2496 mg/Kg 125 70 - 130 35 0.100 0.1228 123 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-23040-A-1-G MS

Matrix: Solid

Analysis Batch: 42860

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

Prep Batch: 42811

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.07419		mg/Kg	_	74	70 - 130	
Toluene	<0.00201	U	0.101	0.08714		mg/Kg		86	70 - 130	

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1 SDG: Lea County, NM

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

Lab Sample ID: 880-23040-A-1-G MS

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42811

nit D %Rec	Limita
	Limits
g/Kg 96	70 - 130
g/Kg 108	70 - 130
g/Kg 107	70 - 130
ć	g/Kg 108

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42811

Matrix: Solid Analysis Batch: 42860

Lab Sample ID: 880-23040-A-1-H MSD

	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	0.08003		mg/Kg		81	70 - 130	8	35
Toluene	<0.00201	U	0.0990	0.09088		mg/Kg		92	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0990	0.09840		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2218		mg/Kg		112	70 - 130	2	35
o-Xylene	<0.00201	U	0.0990	0.1102		mg/Kg		111	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-42468/1-A

Matrix: Solid

Analysis Batch: 42463

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

Prep Batch: 42468

	MR	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/22/22 08:02	12/22/22 08:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/22/22 08:02	12/22/22 08:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/22/22 08:02	12/22/22 08:27	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/22/22 08:02	12/22/22 08:27	1
o-Terphenyl	132	S1+	70 - 130	12/22/22 08:02	12/22/22 08:27	1

Lab Sample ID: LCS 880-42468/2-A

Matrix: Solid

Analysis Batch: 42463

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

Prep Batch: 42468

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	790.5		mg/Kg		79	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	837.0		mg/Kg		84	70 - 130	
C10-C28)								

Job ID: 890-3697-1 Client: Ensolum Project/Site: Triste Draw 5 Federal #2 SDG: Lea County, NM

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

LCS LCS

Lab Sample ID: LCS 880-42468/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 42463

Prep Type: Total/NA

Prep Batch: 42468

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 99 70 - 130 o-Terphenyl 100 70 - 130

Lab Sample ID: LCSD 880-42468/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 42463

Prep Type: Total/NA

Prep Batch: 42468

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 977.6 *1 98 70 - 13021 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1006 101 mg/Kg 70 - 13018 20 C10-C28)

LCSD LCSD

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

Lab Sample ID: 880-22965-A-21-E MS Client Sample ID: Matrix Spike

MS MS

MSD MSD

Matrix: Solid

Analysis Batch: 42463

Prep Type: Total/NA

Prep Batch: 42468

Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U *1 999 889.9 mg/Kg 86 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 259 999 1028 mg/Kg 77 70 - 130

Limits

Spike

Spike

C10-C28)

MS MS %Recovery Qualifier Surrogate

70 - 130 1-Chlorooctane 98 o-Terphenyl 85 70 - 130

Lab Sample ID: 880-22965-A-21-F MSD

Analysis Batch: 42463

Matrix: Solid

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

Prep Batch: 42468

RPD %Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics <50.0 U *1 997 1025 99 mg/Kg 70 - 130 14 20 (GRO)-C6-C10 Diesel Range Organics (Over 259 997 1084 mg/Kg 83 70 - 130 5 20

C10-C28)

MSD MSD

Sample Sample

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	91		70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-3697-1 Project/Site: Triste Draw 5 Federal #2 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42664/1-A

Matrix: Solid

Analysis Batch: 42700

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 12/27/22 12:28

Lab Sample ID: LCS 880-42664/2-A

Matrix: Solid

Analysis Batch: 42700

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 240.4 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-42664/3-A

Matrix: Solid

Analysis Batch: 42700

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 233.5 mg/Kg 90 - 110

Lab Sample ID: 890-3696-A-1-C MS

Matrix: Solid

Analysis Batch: 42700

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 50.7 250 289.4 90 - 110 mg/Kg

Lab Sample ID: 890-3696-A-1-D MSD

Matrix: Solid

Analysis Batch: 42700

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 250 Chloride 50.7 281.8 mg/Kg 92 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1 SDG: Lea County, NM

GC VOA

Prep Batch: 42811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Total/NA	Solid	5035	
MB 880-42811/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42811/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42811/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23040-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-23040-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Total/NA	Solid	8021B	42811
MB 880-42811/5-A	Method Blank	Total/NA	Solid	8021B	42811
LCS 880-42811/1-A	Lab Control Sample	Total/NA	Solid	8021B	42811
LCSD 880-42811/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42811
880-23040-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	42811
880-23040-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42811

Analysis Batch: 42914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 42463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Total/NA	Solid	8015B NM	42468
MB 880-42468/1-A	Method Blank	Total/NA	Solid	8015B NM	42468
LCS 880-42468/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42468
LCSD 880-42468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42468
880-22965-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	42468
880-22965-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42468

Prep Batch: 42468

Lab Sample ID 890-3697-1	Client Sample ID SW02	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-42468/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42468/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22965-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22965-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Soluble	Solid	DI Leach	
MB 880-42664/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42664/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42664/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1

SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 42664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3696-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3696-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 42700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3697-1	SW02	Soluble	Solid	300.0	42664
MB 880-42664/1-A	Method Blank	Soluble	Solid	300.0	42664
LCS 880-42664/2-A	Lab Control Sample	Soluble	Solid	300.0	42664
LCSD 880-42664/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42664
890-3696-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	42664
890-3696-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	42664

Lab Chronicle

Client: Ensolum Job ID: 890-3697-1 Project/Site: Triste Draw 5 Federal #2 SDG: Lea County, NM

Client Sample ID: SW02 Lab Sample ID: 890-3697-1 Date Collected: 12/20/22 11:00

Matrix: Solid

Date Received: 12/21/22 09:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42811	12/28/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42860	12/29/22 15:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42914	12/29/22 16:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42669	12/27/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42468	12/22/22 08:02	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42463	12/22/22 16:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42664	12/27/22 10:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42700	12/27/22 14:22	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum

Job ID: 890-3697-1

Project/Site: Triste Draw 5 Federal #2

SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for
the agency does not of		it the laboratory is not certain	ed by the governing additionty. This list me	ay include analytes for t
0 ,		Matrix	Analyte	ay include analytes for t
the agency does not of	fer certification.	•	, , ,	ay include analytes for v

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Method Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1

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

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

Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal #2

Job ID: 890-3697-1

SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3697-1	SW02	Solid	12/20/22 11:00	12/21/22 09:54	0-4'

eurofins

Kenco

Environment lesting

Project Manager:

Company Name: ddress:

> Ensolum, LLC Hadlie Green

> Company Name: Bill to: (if different)

Ensolum, LLC Kalei Jennings

City, State ZIP:

Midland, TX 79701

Deliverables: EDD

Reporting: Level II Level III PST/UST TRRP

ADaPT 🗆

Other:

Level IV

State of Project:

Program: UST/PST 🗌 PRP 🗎 Brownfields 🗌 RRC 🗎 Superfund 🗎 Work Order Comments

601 N Marienfeld St Suite 400

City, State ZIP:

Midland, TX 79701

601 N Marienfeld St Suite 400

121314

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333. EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

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www.xenco.com Page 1 of 1	Work Order No:
	40

Phone:			Email: ki	Email: kjennings@ensolum.com, hgreen	solum.	com, h	green						Deliverapies. COO	l E			3			Taking Padas	
Project Name:	Triste Draw 5 Federal #2	deral #2	Turn Around	ound bnuo				-		ANALYS	YSIS R	IS REQUEST	TS	1	1	1		Ţ	reser	Preservative Codes	
Project Number:	03D2024096		☐ Routine [☑ Rush	Code			_				-		-	\vdash			None: NO	O	DI Water: H ₂ O	
Project Location:	Lea County, NM		Due Date:	24 Hr.														Cool: Cool	Cool	MeOH: Me	
Sampler's Name:	Conner Shore		TAT starts the day received by	ay received by									_					HCL: HC	: T	HNO ₃ : HN	
PO#:			the lab, if received by 4:30pm	ed by 4:30pm	rs							-	-	-	-			H ₂ SO ₄ : H ₂	H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	169 No	Wet ice:	Kes No	nete	.0)												H₃PO₄: HP	<u>₹.</u> ₩		
Samples Received Intact:		Thermometer ID:		Tram-00.7	ıran	300												NaHS	NaHSO ₄ : NABIS	BIS	
Cooler Custody Seals:	Yes No MA	Correction Factor:		4.0-	Pa	PA:												Na ₂ S ₂	Na ₂ S ₂ O ₃ : NaSO ₃	SO ₃	
Sample Custody Seals:	Yes No NA	Temperature Reading:	Reading:	0.0		S (E			890-36	890-3697 Chain	ain of Custody	stody						Zn Ac	etate+1	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	nperature:	00		IDE)15)	8021							1			NaOF	+Asco	NaOH+Ascorbic Acid: SAPC	_
Sample Identification	cation Matrix	Date Sampled	Time C	Depth Comp	cont	CHLOR	TPH (80	BTEX (Sampl	Sample Comments	
SW02	S	12.20.22	1100 0-4	4. C	_	×	×	×	-			-	-	\vdash	+	\dagger	T				
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Total 200.7 / 6010	200.8 / 6020:	8R	8RCRA 13PPI	13PPM Texas 11	Al Sb	ξ	Ba Be	∞∥	Cd Ca Cr	S	Cu Fe I	b Mg	Mn N	NO NI	K Se	Ag (S	iO ₂ N	a Sr	TI Sn	Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be anal	yzed	TCLP / SPL	TCLP / SPLP 6010: 8RCRA	CRA	Sb As	Ва	Ge Cd	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Cu PB	Mn M	o N	Se Ag	∃ U		Hg	1631	Hg: 1631 / 245.1 / 7470	/ 7470	0 /7471	ــــــــــا ا
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 sarvice. 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.	ument and relinquishmer ill be liable only for the c m charge of \$85.00 will b	it of samples const ost of samples and e applied to each p	itutes a valid pur I shall not assum project and a char	chase order from any responsibili ge of \$5 for each	client co ty for an	mpany t y losses submitte	or expe	ns Xenc nses inc ofins Xe	o, its affiliat curred by the nco, but not	es and su client if analyzed	ibcontract such loss i. These te	ors. It as es are du erms will	ntractors. It assigns standard terms and conditions hosses are due to circumstances beyond the control ese terms will be enforced unless previously negotiat	andard t umstanc ced unie	terms an es beyo ss previ	d condit nd the co	ions ontrol gotiated				لــــــ
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Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3697-1

SDG Number: Lea County, NM

Login Number: 3697
List Source: Eurofins Carlsbad
List Number: 1

Creator: Stutzman, Amanda

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

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3697-1

SDG Number: Lea County, NM

Login Number: 3697 List Source: Eurofins Midland List Number: 2 List Creation: 12/22/22 12:50 PM

Creator: Rodriguez, Leticia

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St.

Suite 400 Midland, Texas 79701

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JOB DESCRIPTION

Triste Draw 5 Federal 002 SDG NUMBER Lea County NM

JOB NUMBER

890-3767-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

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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

Page 2 of 20

Client: Ensolum
Project/Site: Triste Draw 5 Federal 002

Laboratory Jol
SDG:

Laboratory Job ID: 890-3767-1 SDG: Lea County NM

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Definitions/Glossary

Job ID: 890-3767-1 Client: Ensolum Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable

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

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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) Minimum Detectable Concentration (Radiochemistry) MDC

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

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RFR Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Triste Draw 5 Federal 002

Job ID: 890-3767-1

SDG: Lea County NM

Job ID: 890-3767-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3767-1

Receipt

The sample was received on 1/5/2023 10:30 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 5.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SW03 (890-3767-1).

GC VOA

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

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43382 and analytical batch 880-43449 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43363 and analytical batch 880-43615 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.

Client: Ensolum

Job ID: 890-3767-1

Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

Lab Sample ID: 890-3767-1

Date Collected: 01/04/23 09:15 Date Received: 01/05/23 10:30

Client Sample ID: SW03

Matrix: Solid

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
Toluene	< 0.00199	U	0.00199	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/11/23 09:16	01/11/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/11/23 09:16	01/11/23 18:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/11/23 09:16	01/11/23 18:53	1
- Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/12/23 13:12	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/09/23 09:38	1
Method: SW846 8015B NM - Dies	ol Pango Orga	nice (DPO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9		49.9	mg/Kg		01/06/23 12:59	01/07/23 19:48	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		01/06/23 12:59	01/07/23 19:48	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/06/23 12:59	01/07/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130			01/06/23 12:59	01/07/23 19:48	1
o-Terphenyl	78		70 - 130			01/06/23 12:59	01/07/23 19:48	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Surrogate Summary

Client: Ensolum Job ID: 890-3767-1
Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-23426-A-20-H MS	Matrix Spike	104	104	
880-23426-A-20-I MSD	Matrix Spike Duplicate	103	107	
890-3767-1	SW03	111	108	
LCS 880-43707/1-A	Lab Control Sample	104	107	
LCSD 880-43707/2-A	Lab Control Sample Dup	105	106	
MB 880-43707/5-A	Method Blank	101	100	
Surrogate Legend				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-7013-A-1-C MS	Matrix Spike	89	80	
820-7013-A-1-D MSD	Matrix Spike Duplicate	89	81	
890-3767-1	SW03	79	78	
LCS 880-43382/2-A	Lab Control Sample	123	110	
LCSD 880-43382/3-A	Lab Control Sample Dup	117	104	
MB 880-43382/1-A	Method Blank	124	121	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3767-1 Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43707/5-A

Matrix: Solid Analysis Batch: 43709 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43707

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/11/23 09:16	01/11/23 12:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/11/23 09:16	01/11/23 12:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/11/23 09:16	01/11/23 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/11/23 09:16	01/11/23 12:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/11/23 09:16	01/11/23 12:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/11/23 09:16	01/11/23 12:25	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/11/23 09:16	01/11/23 12:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130	01/11/23 09:16	01/11/23 12:25	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-43707/1-A

Matrix: Solid

Analysis Batch: 43709

Prep Type: Total/NA

Prep Batch: 43707

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1127	-	mg/Kg		113	70 - 130	
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2081		mg/Kg		104	70 - 130	
o-Xylene	0.100	0.09950		mg/Kg		99	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: LCSD 880-43707/2-A

Matrix: Solid

Analysis Batch: 43709

Client Sample ID: Lab Control Sample Dup	Client Sam	ple ID: Lab	Control	Sample Dup
--	------------	-------------	---------	------------

Prep Type: Total/NA

Prep Batch: 43707

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1150		mg/Kg		115	70 - 130	2	35
Toluene	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130	2	35
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-23426-A-20-H MS

Matrix: Solid

Analysis Batch: 43709

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

Prep Batch: 43707

		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	<0.00201	U	0.101	0.1121		mg/Kg	_	111	70 - 130	
١	Toluene	<0.00201	U	0.101	0.1048		mg/Kg		104	70 - 130	

Eurofins Carlsbad

Page 8 of 20

Client: Ensolum Project/Site: Triste Draw 5 Federal 002 Job ID: 890-3767-1

SDG: Lea County NM

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

Lab Sample ID: 880-23426-A-20-H MS

Lab Sample ID: 880-23426-A-20-I MSD

Matrix: Solid

Matrix: Solid

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analysis Batch: 43709 Prep Batch: 43707 Sample Sample Spike MS MS %Rec

									,	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U	0.101	0.1013		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2082		mg/Kg		103	70 - 130	
o-Xylene	<0.00201	U	0.101	0.09904		mg/Kg		98	70 - 130	

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43707 RPD

RPD

Limit

Analysis Batch: 43709 Sample Sample Spike MSD MSD Result Qualifier Result Qualifier Analyte babbA Unit %Rec Limits 0.0990 Benzene <0.00201 U 0.1122 mg/Kg 113 70 - 130

0 35 105 Toluene <0.00201 U 0.0990 0.1037 mg/Kg 70 - 130 35 Ethylbenzene <0.00201 U 0.0990 0.1000 mg/Kg 101 70 - 130 35 0.198 104 70 - 130 35 m-Xylene & p-Xylene <0.00402 U 0.2056 mg/Kg 0.0990 <0.00201 U 0.09887 70 - 130 o-Xylene mg/Kg 100

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-43382/1-A

Matrix: Solid

Analysis Batch: 43449

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

Prep Batch: 43382

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Analyte Gasoline Range Organics 50.0 01/06/23 12:59 01/07/23 09:18 <50.0 U mg/Kg (GRO)-C6-C10 50.0 01/06/23 12:59 01/07/23 09:18 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 01/06/23 12:59 01/07/23 09:18 mg/Kg

MB MB

мв мв

Surrogate	%Recovery	Qualifier	Limits	Pre	epared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	01/06/	7/23 12:59	01/07/23 09:18	1
o-Terphenyl	121		70 - 130	01/06	/23 12:59	01/07/23 09:18	1

Lab Sample ID: LCS 880-43382/2-A

Matrix: Solid

Analysis Batch: 43449

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

Prep Batch: 43382

	Spike	₃ LCS	LCS				%Rec	
Analyte	Added	d Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1076		mg/Kg		108	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	975.0		mg/Kg		98	70 - 130	
C10-C28)								

Prep Batch: 43382

Prep Type: Total/NA

Job ID: 890-3767-1

Client: Ensolum Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

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

Lab Sample ID: LCS 880-43382/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 43449

	LCS I	LCS	
Surrogate	%Recovery (Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-43382/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 43449							Prep	Batch:	43382
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	993.4		mg/Kg		99	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	910.2		mg/Kg		91	70 - 130	7	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 117 70 - 130 70 - 130 o-Terphenyl 104

Lab Sample ID: 820-7013-A-1-C MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

o-Terphenyl

Matrix: Solid

Analysis Batch: 43449

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	843.8		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	690.3	F1	mg/Kg		67	70 - 130	

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

80

Lab Sample ID: 820-7013-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

70 - 130

Analysis Batch: 43449

7 midiyolo Batolii 10 1 10										Datoiii	
	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	997	845.6		mg/Kg		82	70 - 130	0	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	997	681.4	F1	mg/Kg		66	70 - 130	1	20
C10-C28)											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	81		70 - 130

Eurofins Carlsbad

Prep Batch: 43382

Prep Type: Total/NA Prep Batch: 43382

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-3767-1
Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43363/1-A

Matrix: Solid

Analysis Batch: 43615

MB MB

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit mg/Kg
 D mg/Kg
 Prepared O1/10/23 15:40
 Analyzed Dil Fac O1/10/23 15:40

Lab Sample ID: LCS 880-43363/2-A

Matrix: Solid

Analysis Batch: 43615

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 250.7 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-43363/3-A

Matrix: Solid

Analysis Batch: 43615

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.9 mg/Kg 100 90 - 110

Lab Sample ID: 880-23397-A-4-B MS

Matrix: Solid

Analysis Batch: 43615

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 1250 248 1447 4 90 - 110 mg/Kg

Lab Sample ID: 880-23397-A-4-C MSD

Matrix: Solid

Analysis Batch: 43615

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 248 1447 1250 4 mg/Kg 79 90 - 110 0 20

Eurofins Carlsbad

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QC Association Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal 002

Job ID: 890-3767-1 SDG: Lea County NM

GC VOA

Prep Batch: 43707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Total/NA	Solid	5035	
MB 880-43707/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43707/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43707/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23426-A-20-H MS	Matrix Spike	Total/NA	Solid	5035	
880-23426-A-20-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Total/NA	Solid	8021B	43707
MB 880-43707/5-A	Method Blank	Total/NA	Solid	8021B	43707
LCS 880-43707/1-A	Lab Control Sample	Total/NA	Solid	8021B	43707
LCSD 880-43707/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43707
880-23426-A-20-H MS	Matrix Spike	Total/NA	Solid	8021B	43707
880-23426-A-20-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43707

Analysis Batch: 43818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43382

Lab Sample ID 890-3767-1	Client Sample ID SW03	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-43382/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43382/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43382/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-7013-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-7013-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Total/NA	Solid	8015B NM	43382
MB 880-43382/1-A	Method Blank	Total/NA	Solid	8015B NM	43382
LCS 880-43382/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43382
LCSD 880-43382/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43382
820-7013-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	43382
820-7013-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43382

Analysis Batch: 43491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43363

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Soluble	Solid	DI Leach	
MB 880-43363/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43363/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43363/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum

Job ID: 890-3767-1 Project/Site: Triste Draw 5 Federal 002 SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 43363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23397-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-23397-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 43615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3767-1	SW03	Soluble	Solid	300.0	43363
MB 880-43363/1-A	Method Blank	Soluble	Solid	300.0	43363
LCS 880-43363/2-A	Lab Control Sample	Soluble	Solid	300.0	43363
LCSD 880-43363/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43363
880-23397-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	43363
880-23397-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43363

Lab Chronicle

Client: Ensolum

Job ID: 890-3767-1

Project/Site: Triste Draw 5 Federal 002

SDG: Lea County NM

Client Sample ID: SW03

Lab Sample ID: 890-3767-1

Matrix: Solid

Date Collected: 01/04/23 09:15 Date Received: 01/05/23 10:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43707	01/11/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43709	01/11/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43818	01/12/23 13:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43491	01/09/23 09:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43382	01/06/23 12:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43449	01/07/23 19:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43363	01/06/23 11:20	KS	EET MID
Soluble	Analysis	300.0		1			43615	01/10/23 18:02	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum

Job ID: 890-3767-1

Project/Site: Triste Draw 5 Federal 002

SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas		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	av include analytes for y	
the agency does not of	fer certification.	•	, , ,	.,	
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	.,	
0 ,		Matrix Solid	, , ,		

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Method Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal 002

Job ID: 890-3767-1

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

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

Sample Summary

Client: Ensolum

Project/Site: Triste Draw 5 Federal 002

Job ID: 890-3767-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3767-1	SW03	Solid	01/04/23 09:15	01/05/23 10:30	0-4'

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn

eurofins :

Chain of Custody

TRISTE DRAWS FEDERALDOS	817.683.8503	10tet, AL DNUMOIN	Leol N myper	phr Ensoum LLC	MOLIE GREEN		Xenco	FINS Envi		
			19701	LOOI N MARLENGELD ST SMITE 400	74			0	Environment Testing	
Pres.	Turn Around	Email: LJCMMING & ensulum com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	Hobbs, NM	EL Paso, TX I	Houston, T. Midland, TX (4	
	ANALYSIS REQUEST	ensulum um		-	1	LANGI TUNNING J	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	•
		Deliverables: EDD ADaPT O	Reporting: Level III Level III PST/UST TRRP Level IV	State of Project:	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund [Work Order Comments	www.xenco.com Page		Work Order No:	
DI W. 250 E. D.	Preservative Codes	Other:	TRRP Level IV		RRC Superfund		of 2			

Circle Method(s) and Metal(s) to be analyzed ervice. 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 Relinquished by: (Signature) fins Xenco. A minimum charge of 885.00 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. 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 Received by: (Signature) TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 5.23 Date/Time Relinquished by: (Signature) Received by: (Signature) Hg: 1631 / 245.1 / 7470 / 7471 Revised Date 08/25/2020 Rev. 2020.2 Date/Time

NaOH+Ascorbic Acid: SAPC

Sample Comments

Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO 4: NABIS H3PO4: HP H2SO 4: H2 Cool: Cool

MeOH: Me

HCL: HC

NaOH: Na

HNO 3: HN

SAMPLE RECEIPT

Sampler's Name: roject Location:

Conner Shore

LEA COUNTY, NOW

Due Date:

TAT starts the day received by the lab, if received by 4:30pm

Cooler Custody Seals: Samples Received Intact:

Yes No

N/A

Corrected Temperature Temperature Reading: Yes No N/A (Tes) No Temp Blank:

Correction Factor:

Thermometer ID:

AM DOT (Yes) No

890-3767 Chain of Custody

Parameters

Wet ice:

otal Containers: Sample Custody Seals:

Sample Identification

Matrix V

Sampled

Sampled

Comp Grab/

of Cont

BTEX

Chlorides

TPH

Date

Time

1.4.23

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SWOZ

Project Number:

roject Name:

City, State ZIP: Address:

Project Manager: Company Name:

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3767-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 3767 List Number: 1

Creator: Stutzman, Amanda

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

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3767-1 SDG Number: Lea County NM

List Source: Eurofins Midland

Login Number: 3767 List Number: 2 List Creation: 01/06/23 11:27 AM

Creator: Rodriguez, Leticia

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

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<6mm (1/4").



APPENDIX D

NMOCD Notifications

From: Enviro, OCD, EMNRD
To: Kalei Jennings

Cc: <u>Bratcher, Michael, EMNRD</u>; <u>Hamlet, Robert, EMNRD</u>

Subject: RE: [EXTERNAL] ConocoPhillips Company- Sampling Notification (Week of 12/12/2022)

Date: Thursday, December 8, 2022 9:22:43 AM

Attachments: <u>image005.jpg</u>

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Kalei Jennings < kjennings@ensolum.com> **Sent:** Wednesday, December 7, 2022 4:47 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] ConocoPhillips Company- Sampling Notification (Week of 12/12/2022)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

ΑII,

ConocoPhillips Company (COP) plans to complete final sampling activities at the following sites the week of December 12, 2022.

- Triste Draw/ NAPP2229033410
- Bandit 15 Federal Com 2/ NAPP2231139799
- Vast State 2H/ NAPP2231148750

Thank you,

Kalei Jennings



Senior Scientist 817-683-2503 Ensolum, LLC From: Beauvais, Charles R
To: Kalei Jennings

Subject: FW: [EXTERNAL](Extension Approval) COPC/COG - Triste Draw 5 Federal 001H (Incident Number

NAPP2229033410)

Date: Thursday, December 29, 2022 2:10:55 PM

Attachments: image002.jpg image003.png

[**EXTERNAL EMAIL**]

Approval

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Thursday, December 29, 2022 10:30 AM

To: Beauvais, Charles R < Charles.R.Beauvais@conocophillips.com>

Cc: Fejervary Morena, Gustavo A <G.Fejervary@conocophillips.com>; Esparza, Brittany

<Brittany.Esparza@conocophillips.com>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>;

Harimon, Jocelyn, EMNRD < Jocelyn. Harimon@emnrd.nm.gov>

Subject: [EXTERNAL](Extension Approval) COPC/COG - Triste Draw 5 Federal 001H (Incident Number

NAPP2229033410)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

RE: Incident #NAPP2229033410

Charles,

Your request for an extension to **April 3rd, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Beauvais, Charles R < Charles R < Charles.R.Beauvais@conocophillips.com

Sent: Wednesday, December 28, 2022 12:43 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >; EMNRD-OCD-District1spills < EMNRD-OCD-District1spills@state.nm.us >; Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov >; CFO_Spill, BLM_NM_CFO_Spill@blm.gov >

Cc: Fejervary Morena, Gustavo A <<u>G.Fejervary@conocophillips.com</u>>; Esparza, Brittany <<u>Brittany.Esparza@conocophillips.com</u>>

Subject: [EXTERNAL] COPC/COG- Extension Request- Triste Draw 5 Federal 001H (Incident Number NAPP2229033410)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Triste Draw 5 Federal 001H (Incident Number NAPP2229033410)

COPC/COG Operating, LLC (COG) is requesting an extension for the current deadline of January 3, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Triste Draw 5 Federal 001H (Incident Number NAPP2229033410). The release was discovered on October 5, 2022. Initial site assessment activities and excavation of impacted soil has been completed. Based on the most recent field screening results, COG believes all impacted soil has been removed; however, we are waiting for laboratory analytical results to confirm. In order to complete additional remediation activities if necessary and submit a remediation work plan or closure report, COG requests a 90-day extension of this deadline until April 3, 2023.

Respectfully,

Charles R. Beauvais II

Senior Environmental Engineer | Environmental Operations | ConocoPhillips (M) 575-988-2043

Charles.R.Beauvais@conocophillips.com

Our work is never so urgent or important that we cannot take the time to do it safely and in an environmentally responsible manner.



From: Enviro, OCD, EMNRD
To: Kalei Jennings

Cc: <u>Bratcher, Michael, EMNRD</u>; <u>Nobui, Jennifer, EMNRD</u>

Subject: RE: [EXTERNAL] ConocoPhillips Company- Sampling Notification (Week of 01/02/2023)

Date: Friday, December 30, 2022 11:43:06 AM

Attachments: image005.jpg

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Good Morning Kalei,

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Thank you, Jocelyn

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Kalei Jennings <kjennings@ensolum.com>

Sent: Friday, December 30, 2022 10:39 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Hadlie Green hgreen@ensolum.com; Josh Adams jadams@ensolum.com>

Subject: [EXTERNAL] ConocoPhillips Company- Sampling Notification (Week of 01/02/2023)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

ConocoPhillips Company (COP) plans to complete final sampling activities at the following sites the week of January 2, 2023.

Gold Coast 26 Federal 1 H/ NAPP2234636400

- Wild Cobra 1 State 002H/ NAPP2233946889
- Triste Draw 5 Federal 001H / NAPP2229033410

Thank you,



Kalei Jennings Senior Scientist

Senior Scientist 817-683-2503 **Ensolum, LLC**



APPENDIX E

Final C-141

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
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party					OGRID			
Contact Nam	Contact Name Con					t Telephone		
Contact email Inci					cident # (assigned by OCD)			
Contact mail	ing address			'				
					~			
			Location	of Release	Source			
Latitude				Longitud	e			
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)			
Site Name				Site Typ	e			
Date Release	Discovered			API# (if	applicable)			
Unit Letter	Section	Township	Range	Co	ounty			
Ont Letter	Section	Township	Runge		, unity	-		
						_		
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:)		
			Nature and	d Volume o	f Release			
Crude Oil		l(s) Released (Select al Volume Release		calculations or spec	Volume Reco	e volumes provided below) overed (bbls)		
Produced	Water	Volume Release	` ,		Volume Reco	• • •		
			ion of dissolved c	chloride in the	Yes No			
		produced water						
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)		
Natural G	as	Volume Release	d (Mcf)		Volume Reco	overed (Mcf)		
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Wei	ght Recovered (provide units)		
Cause of Rele	ease							

Received by OCD: 2/27/2023/2948/36/PMI State of New Mexico
Page 2 Oil Conservation Division

	Page 1160 of 1	66
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Re	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		pest of my knowledge and understand that pursuant to OCD rules and
public health or the environn	nent. The acceptance of a C-141 report by the O	fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name		Title:
Signature:	tan Bopange	Date:
email:		Telephone:
OCD Only		
Received by:Jocely	yn Harimon	Date:10/17/2022

L48 Spill Volume Estimate Form Received by OCD: 2/27/2023 2:48:36 PM4 ber: TRISTE DRAW 5 FED 2H, AVION FED#2, AVION FED 301 SWD LINE NAPP22290334106

Asset Area: Northern Delaware Basin East

Release Discovery Date & Time: 10/5/2022 3:00PM MST Release Type: Produced Water Provide any known details about the event: SWD LINE LEAK Spill Calculation - On Pad Surface Pool Spill Deepest point in Estimated Convert Irregular shape No. of boundaries Estimated Pool Estimated volume Penetration Total Estimated Length Width each of the Average of "shore" in each of each pool area into a series of Area allowance Volume of Spill (ft.) (ft.) Depth areas rectangles (ft.) (sq. ft.) (bbl.) (bbl.) area (in.) (ft.) Rectangle A 40.0 7.0 2.00 280.000 0.056 2.769 0.003 2.777

Rectangle B 5.0 5.0 24.00 0.667 2.967 0.033 3.066 25.000 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle C Rectangle D 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle E 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0! Rectangle F 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Rectangle G 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Rectangle H 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Rectangle I 0.000 #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Total Volume Release:

5.842

#DIV/0! #DIV/0!

Released to Imaging: 6/29/2023 2:23257 PM 0.000 #DIV/0! #DIV/0!

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

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

Action 151147

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	151147
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	10/17/2022

State of New Mexico

Incident ID	NAPP2229033410
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>>100</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.			
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well included in the state of t	ls.		
☐ Data table of soil contaminant concentration data			
Depth to water determination			
 □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs 			
☐ Borning or excavation logs ☐ Photographs including date and GIS information			
Topographic/Aerial maps			
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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ent ID	NAPP2229033410	
ict RP	_	

Incident ID	NAPP2229033410
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Thereby 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:Charles Beauvais	Title: _Senior Environmental Engineer		
Signature: Charles R. Beauvais 99	Date:2/27/2023		
email:Charles.R.Beauvais@conocophillips.com	Telephone:575-988-2043		
OCD Only			
Received by:Jocelyn Harimon	Date:02/28/2023		

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Incident ID	NAPP2229033410
District RP	
Facility ID	
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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be	e included in the closure report.		
☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC			
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
☐ Laboratory analyses of final sampling (Note: appropriate ODC District of	fice must be notified 2 days prior to final sampling)		
□ Description of remediation activities			
I hereby certify that the information given above is true and complete to the best and regulations all operators are required to report and/or file certain release no may endanger public health or the environment. The acceptance of a C-141 repshould their operations have failed to adequately investigate and remediate conhuman health or the environment. In addition, OCD acceptance of a C-141 repcompliance with any other federal, state, or local laws and/or regulations. The restore, reclaim, and re-vegetate the impacted surface area to the conditions that accordance with 19.15.29.13 NMAC including notification to the OCD when restore	ifications and perform corrective actions for releases which our by the OCD does not relieve the operator of liability amination that pose a threat to groundwater, surface water, our does not relieve the operator of responsibility for responsible party acknowledges they must substantially existed prior to the release or their final land use in		
email:Charles.R.Beauvais@conocophillips.com Telepl	one:575-988-2043		
OCD Only			
Received by: Jocelyn Harimon Da	e: <u>02/28/2023</u>		
Closure approval by the OCD does not relieve the responsible party of liability remediate contamination that poses a threat to groundwater, surface water, huma party of compliance with any other federal, state, or local laws and/or regulation	n health, or the environment nor does not relieve the responsible		
Closure Approved by: I	Oate:		
Printed Name:	Citle:		

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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

Action 191106

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	191106
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

1	Created By	Condition	Condition Date
	rhamlet	We have received your closure report and final C-141 for Incident #NAPP2229033410 TRISTE DRAW 5 FEDERAL 001H, thank you. This closure is approved.	6/29/2023