

April 14, 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

East Vacuum Grayburg – San Andreas Unit #010 Incident Number NAPP2221675703 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Permian, LLC (Maverick), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the East Vacuum Grayburg – San Andreas Unit #010 (Site) as outlined in an *Revised Remediation Work Plan (RRWP)*, dated December 14, 2022. The previous remediation activities and supporting documents can be referenced in the *RRWP*. Based on the results presented in this report, Maverick is submitting this *Closure Request*, describing remediation that has occurred following the approval of the *RRWP* and requesting closure for Incident Number NAPP2221675703.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit J, Section 28, Township 17 South, Range 35 East, in Lea County, New Mexico (32.80302°, -103.45896°) and is associated with oil and gas exploration and production operations on New Mexico State Land (Figure 1).

On June 6, 2022, a hole in a surface flowline resulted in the release of approximately 35 barrels (bbls) of produced water and 2 bbls of crude oil into the pasture. Vacuum trucks were immediately dispatched and recovered approximately 19 bbls of produced water and 1 bbl of crude oil. Maverick reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) which was received on August 4, 2022. The release was subsequently assigned Incident Number NAPP2221675703.

Between October 24 and 25, 2022, delineation activities were conducted at the Site to assess the lateral and vertical extent of impacted soil. Delineation soil samples were collected at depths ranging from 1-foot to 8 feet bgs in locations based on highest field screening results and the terminus of each pothole, depicted on Figure 2. Field screening and laboratory analytical results indicated chloride concentrations existed in the top 2 feet below ground surface (bgs) of the release area at concentrations that exceeded the Table I Closure Criteria (Closure Criteria). As a result, Maverick submitted the *RRWP* and proposed excavation and disposal of impacted soil from the top 4 feet of the subsurface with confirmation sampling every 400 square feet of the excavation.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 North Marienfeld Street, Suite 400 | Midland, TX 78209 | ensolum.com

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The *RRWP* was approved by NMOCD on January 1, 2023 via email with the following conditions:

Remediation Plan Approved with Conditions. Variance approved to collect sidewall confirmation soil samples at four hundred (400) square feet.

What follows is a description of the work completed in compliance with these conditions and the approved *RRWP*.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the *RRWP*, the following NMOCD Closure Criteria was applied (Figure 1):

- 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; andChloride: 10,000 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 impacted by the release, per Title 19, Chapter 15, Part 29, Section 13D(1) (19.15.29.13D(1)) of the New Mexico Administrative Code (NMAC) for the top 4 feet of areas that will be immediately reclaimed following remediation.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Throughout March 2023, Ensolum personnel were onsite to oversee excavation activities as detailed in the approved *RRWP*. Excavation activities were performed via track-hoe and transport vehicles. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) with a calibrated photoionization dectector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Photographic documentation is included in Appendix A.

Following removal of impacted soil, 5-point composite excavation confirmation soil samples were collected every 400 square feet from the floor and sidewalls of the excavation as permitted by the approved *RRWP*. 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. Excavation confirmation soil samples FS01 through FS29 were collected from the floor of the excavation at a depth of approximately 4 feet below ground surface (bgs). Excavation confirmation soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The excavation sidewall sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following 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.



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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all excavation confirmation soil samples indicated all COC concentrations were compliant with Closure Criteria, except for excavation confirmation floor soil sample FS08. Laboratory analytical results for soil sample FS08 indicated one of the COC concentrations exceeded the applicable Closure Criteria. Laboratory analytical results are provided on Table 1 and laboratory analytical reports are included as Appendix B.

ADDITIONAL EXCAVATION AND SOIL SAMPLING ACTIVITIES

On April 6, 2023, Ensolum personel returned to the Site to oversee additional excavation activities as warranted by laboratory analytical results for soil sample FS08. Excavation activities were resumed via track-hoe and transport vehicles. To direct excavation activities, soil was field screened for VOCs and chloride as previously described. Photographic documentation is included in Appendix A.

Following further removal of impacted soil, a 5-point composite excavation confirmation soil sample was collected from the freshly excavated floor of the excavation, representing an approximate 400 square foot area. Excavation confirmation soil sample FS08A was collected from the floor of the excavation at an approximate depth of 4.25 feet bgs. The excavation confirmation sample was collected, handled and analyzed as previously described. The final excavation extent and final excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

The excavation measured approximately 11,600 square feet in areal extent. A total of approximately 1,700 cubic yards of impacted soil were removed during the excavation activities. The soil was transported from the Site and properly disposed of at the R360 Environmental Solutions in Hobbs, New Mexico.

Laboratory analytical results for excavation confirmation floor soil sample FS08A indicated all COC concentrations were compliant with Closure Criteria. Laboratory analytical results are provided on Table 1 and laboratory analytical reports are included as Appendix B.

CLOSURE REQUEST

Remediation activities were conducted as approved in the *RRWP*. Laboratory analytical results for the final excavation confirmation soil samples indicated all COC concentrations were compliant with the applicable Closure Criteria. Thus, the release was delineated laterally by the final excavation sidewall samples and vertically by the final excavation floor samples and previously collected and analyzed delineation soil samples detailed in the *RRWP*. Maverick believes the remediation actions described above are protective of human health, the environment, groundwater, and other sensitive receptors. As such, Maverick respectfully requests closure for Incident Number NAPP2221675703. The Final C-141 is included as Appendix C.

The Site will be backfilled and recontoured to match pre-existing conditions followed by re-seeding the disturbed area with the appropriate Bureau of Land Management (BLM) seed mixture following approval of this report.



Maverick Permian, LLC Closure Request East Vacuum Grayburg – San Andreas Unit #010 April 14, 2023

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

Sincerely, **Ensolum, LLC**

Kalei Jennings Senior Scientist Daniel R. Moir, PG

Senior Managing Geologist

cc: Bryce Wagoner, Maverick Natural Resources

New Mexico State Land Office

Appendices:

Figure 1 Site Location Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations Table 1 Soil Sample Analytical Results

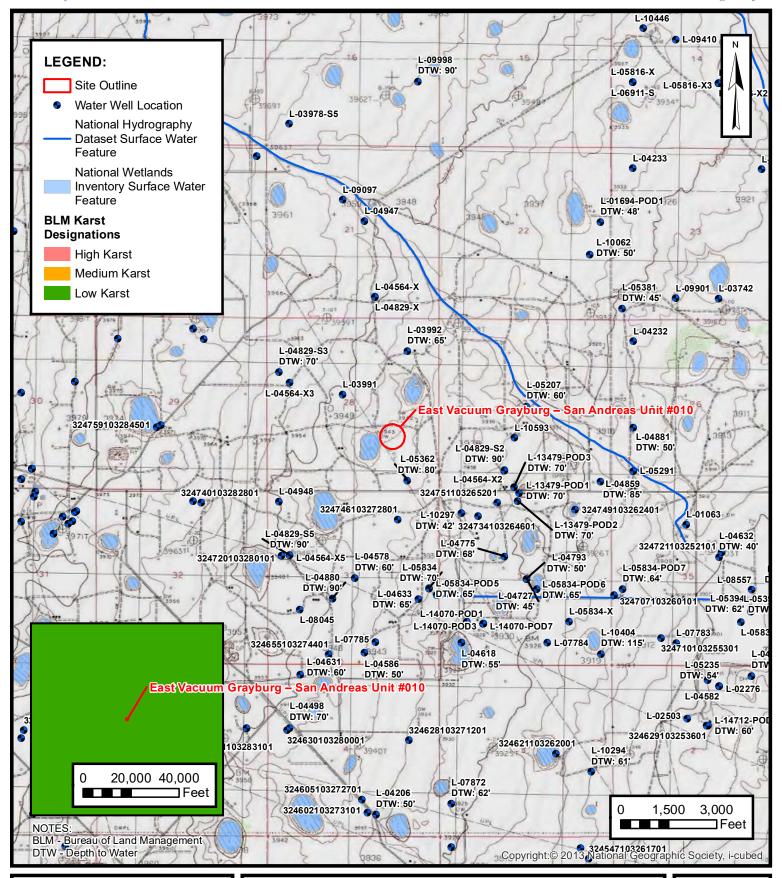
Appendix A Photographic Log

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

Appendix C Final C-141



FIGURES





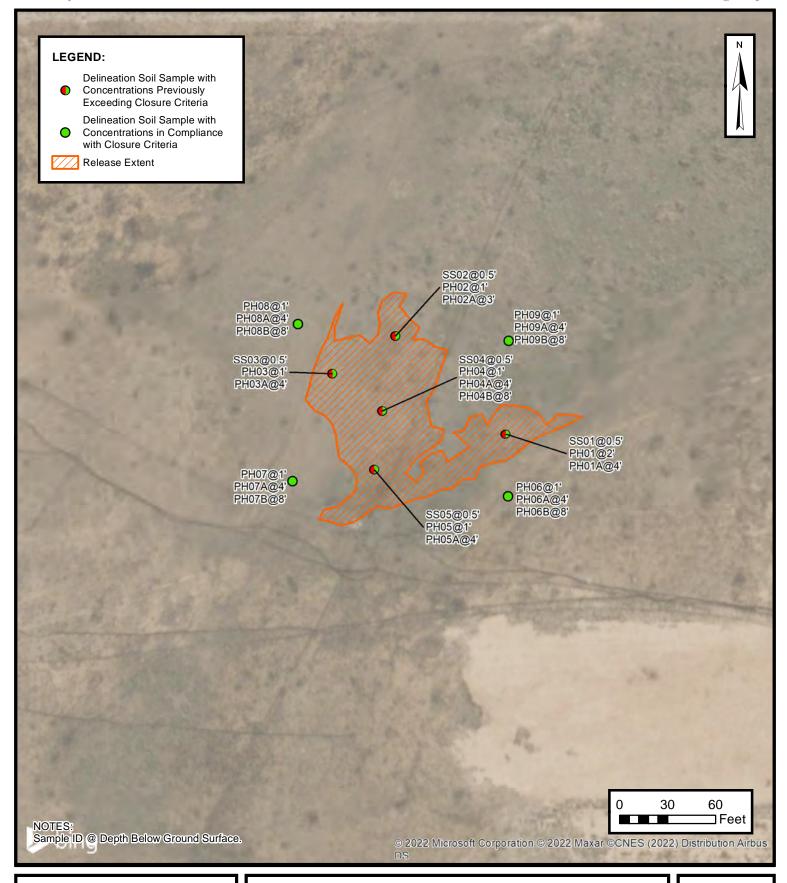
SITE RECEPTOR MAP

MAVERICK NATURAL RESOURCES, LLC EAST VACUUM GRAYBURG – SAN ANDREAS UNIT #010

NAPP2221675703 Unit J, Sec 28, T17S, R35E Lea County, New Mexico 1

FIGURE

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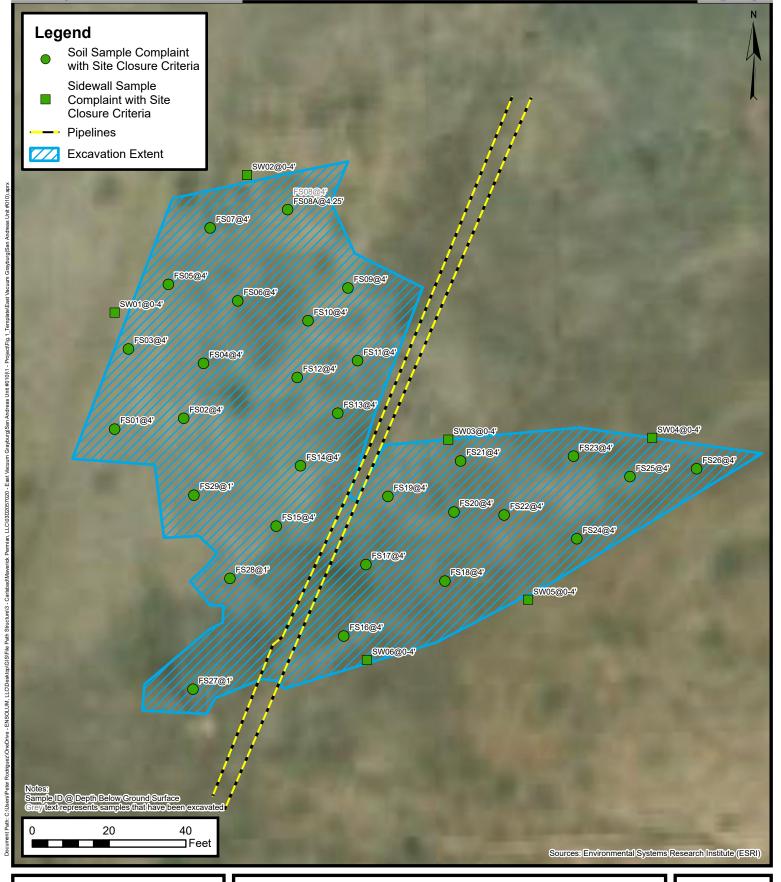


DELINEATION SOIL SAMPLE LOCATIONS

MAVERICK PERMIAN, LLC
EAST VACUUM GRAYBURG - SAN ANDREAS UNIT #010
NAPP2221675703
Unit J, Sec 28, T17S, R35E
Lea County, New Mexico

FIGURE

2





Excavation Soil Samples

East Vacuum Grayburg – San Andreas Unit #010 Maverick Permian, LLC

> Incident Number: NAPP2221675703 Unit J, Sec 28, T17S, R35E

> > Lea County, New Mexico

3

FIGURE



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS East Vacuum Grayburg – San Andreas Unit #010													
	Maverick Permian, LLC												
Lea County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE 1,000 2,500 10,000												
	Excavation Soil Samples												
FS01	03/01/2023	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	233			
FS02	03/01/2023	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	2,440			
FS03	03/01/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	59.0			
FS04	03/01/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,210			
FS05	03/01/2023	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	333			
FS06	03/01/2023	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,090			
FS07	03/01/2023	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	257			
FS08	03/01/2023	4	<0.00198	0.0807	254	1760	<49.9	2,014	2,014	1,930			
FS08A	04/06/2023	4.25	<0.050	< 0.300	<10.0	197	34.2	197	197	2,840			
FS09	03/09/2023	4	<0.00200	<0.00399	<50.0	75.5	<50.0	75.5	75.5	1,470			
FS10	03/09/2023	4	<0.00201	0.0116	<50.0	91.8	<50.0	91.8	91.8	1,830			
FS11	03/09/2023	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	1,740			
FS12	03/09/2023	4	<0.00199	<0.00398	<49.8	73.4	<49.8	73.4	73.4	1,790			
FS13	03/09/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,510			
FS14	03/09/2023	4	<0.00200	< 0.00399	<50.0	50.0	<50.0	50.0	50.0	1,550			
FS15	03/09/2023	4	<0.00201	<0.00402	<49.9	80.3	<49.9	80.3	80.3	4,730			
FS16	03/10/2023	4	0.167	2.23	134	385	<49.9	519	519	1,740			
FS17	03/10/2023	4	<0.0404	1.09	<50.0	51.2	<50.0	51.2	51.2	817			
FS18	03/10/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	212			
FS19	03/10/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	315			
FS20	03/10/2023	4	<0.00198	< 0.00396	<49.8	323	<49.8	323	323	3,490			
FS21	03/10/2023	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	261			
FS22	03/10/2023	4	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,780			
FS23	03/10/2023	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	745			
FS24	03/10/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	47.0			
FS25	03/10/2023	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	264			
FS26	03/10/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	15.7			
FS27	03/13/2023	4	<0.00200	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	830			
FS28	03/13/2023	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	50.0			
FS29	03/13/2023	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	809			
				Sic	dewall Soil Samp	les							
SW01	03/01/2023	0 - 4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	88.5			
SW02	03/01/2023	0 - 4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	107			
SW03	03/10/2023	0 - 4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	214			
SW04	03/10/2023	0 - 4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	124			
SW05	03/10/2023	0 - 4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	121			
SW06	03/10/2023	0 - 4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	88.2			

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.



APPENDIX A

Photographic Log

ENSOLUM

Photographic Log

Maverick Permian, LLC

East Vacuum Grayburg - San Andres Unit #010 Incident Number NAPP2221675703



Photograph 1 Date: 02/28/2023

Description: Photo of excavation activity.



Photograph 2 Date:03/01/2023

Description: Photo of excavation extent.



Photograph 3 Date: 03/02/2023

Description: Photo of excavation activities.



Photograph 4 Date: 03/02/2023

Description: Photo of excavation.

ENSOLUM

Photographic Log

Maverick Permian, LLC
East Vacuum Grayburg - San Andres Unit #010
Incident Number NAPP2221675703



Photograph 5 Date: 03/09/2023

Description: Photo of excavation.



Photograph 6 Date: 03/10/2023

Description: Photo of excavation activity.



Photograph 7 Date: 03/10/2023

Description: Photo of excavation extent.



Photograph 8 Date: 03/13/2023

Description: Photo of excavation extent.



APPENDIX B

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

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JOB DESCRIPTION

EVGSAU 2801/Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4222-1

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

Client: Ensolum

Project/Site: EVGSAU 2801/Maverick

Laboratory Job ID: 890-4222-1

SDG: 03E2057020

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	(

Definitions/Glossary

Job ID: 890-4222-1 Client: Ensolum Project/Site: EVGSAU 2801/Maverick

SDG: 03E2057020

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

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

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Job ID: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

Job ID: 890-4222-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4222-1

Receipt

The sample was received on 3/1/2023 4:16 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SW02 (890-4222-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48205 and analytical batch 880-48323 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.

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-47868/2-A). Evidence of matrix interferences is not obvious.

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

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: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

Lab Sample ID: 890-4222-1 **Client Sample ID: SW02**

Date Collected: 03/01/23 13:55 Matrix: Solid Date Received: 03/01/23 16:16

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
o-Xylene	< 0.00201	U F1	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		03/09/23 11:30	03/11/23 05:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/09/23 11:30	03/11/23 05:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130			03/09/23 11:30	03/11/23 05:14	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/13/23 18:25	1
Method: SW846 8015 NM - Die			GC)					
Method: SW846 8015 NM - Die Analyte		ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/07/23 13:47	Dil Fac
Analyte Total TPH		Qualifier U	RL 49.9		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics	Result <49.9	Qualifier U unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg			03/07/23 13:47	1
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 iesel Range Orga Result	Qualifier U unics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg		Prepared	03/07/23 13:47 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 49.9 iesel Range Orga Result 49.9 49.9	Qualifier U unics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 Result <49.9 <49.9	Qualifier U unics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U unics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21 03/06/23 13:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21 03/06/23 13:21	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared	03/07/23 13:47 Analyzed 03/06/23 13:21 03/06/23 13:21 03/06/23 13:21 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di 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 unics (DRO) Qualifier U 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 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21 03/06/23 13:21 Analyzed 03/06/23 13:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Di 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	Qualifier U unics (DRO) Qualifier U 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 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 13:21 03/06/23 13:21 Analyzed 03/06/23 13:21	Dil Fac

Surrogate Summary

Client: Ensolum Job ID: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

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)	
890-4222-1	SW02	109	93	
890-4222-1 MS	SW02	116	108	
890-4222-1 MSD	SW02	112	103	
LCS 880-48205/1-A	Lab Control Sample	120	108	
LCSD 880-48205/2-A	Lab Control Sample Dup	112	109	
MB 880-48205/5-A	Method Blank	110	102	
MB 880-48309/5-A	Method Blank	103	100	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

				Percent Surrogate Reco	overy (Accept
		1001	OTPH1	_	
ab Sample ID	Client Sample ID	(70-130)	(70-130)		
30-25357-A-22-C MS	Matrix Spike	115	111		-
80-25357-A-22-D MSD	Matrix Spike Duplicate	105	106		
390-4222-1	SW02	126	130		
CS 880-47868/2-A	Lab Control Sample	126	135 S1+		
CSD 880-47868/3-A	Lab Control Sample Dup	114	119		
MB 880-47868/1-A	Method Blank	110	125		
Surrogate Legend					
1CO = 1-Chlorooctane					

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum Job ID: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48205/5-A

Matrix: Solid Analysis Batch: 48323 Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 48205

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/09/23 11:30	03/11/23 04:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepare	ed	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/09/23 1	1:30	03/11/23 04:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/09/23 1	1:30	03/11/23 04:45	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 48205

Matrix: Solid Analysis Batch: 48323

Lab Sample ID: LCS 880-48205/1-A

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07627 mg/Kg 76 70 - 130 Toluene 0.100 0.08361 mg/Kg 84 70 - 130 0.100 87 Ethylbenzene 0.08693 mg/Kg 70 - 130 0.200 0.1866 70 - 130 m-Xylene & p-Xylene mg/Kg 93 0.100 0.09372 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-48205/2-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48205

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08385		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.08105		mg/Kg		81	70 - 130	3	35
Ethylbenzene	0.100	0.08402		mg/Kg		84	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1821		mg/Kg		91	70 - 130	2	35
o-Xylene	0.100	0.08954		mg/Kg		90	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qu	alifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1 4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-4222-1 MS

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: SW02 Prep Type: Total/NA

Prep Batch: 48205

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.05099	F1	mg/Kg	_	51	70 - 130	
Toluene	<0.00201	U F1	0.100	0.04796	F1	mg/Kg		48	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-4222-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/Maverick

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

Lab Sample ID: 890-4222-1 MS **Matrix: Solid**

Analysis Batch: 48323

Client Sample ID: SW02 Prep Type: Total/NA

Prep Batch: 48205

Sa	mple Sample	Spike	MS	MS				%Rec	
Analyte R	esult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene <0.0	0201 UF1	0.100	0.04950	F1	mg/Kg		49	70 - 130	
m-Xylene & p-Xylene <0.0	0402 UF1	0.201	0.1051	F1	mg/Kg		52	70 - 130	
o-Xylene <0.0	0201 UF1	0.100	0.05308	F1	mg/Kg		52	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Client Sample ID: SW02

Prep Type: Total/NA

Prep Batch: 48205

Lab Sample ID: 890-4222-1 MSD **Matrix: Solid**

Analysis Batch: 48323

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0996	0.05009	F1	mg/Kg		50	70 - 130	2	35
Toluene	<0.00201	U F1	0.0996	0.05159	F1	mg/Kg		52	70 - 130	7	35
Ethylbenzene	<0.00201	U F1	0.0996	0.05362	F1	mg/Kg		54	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1113	F1	mg/Kg		56	70 - 130	6	35
o-Xylene	<0.00201	U F1	0.0996	0.05556	F1	mg/Kg		55	70 - 130	5	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: MB 880-48309/5-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48309

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/10/23 11:09	03/10/23 17:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/10/23 11:09	03/10/23 17:11	1

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

Lab Sample ID: MB 880-47868/1-A

Matrix: Solid

Analysis Batch: 47856

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

Prep Batch: 47868

мв мв Result Qualifier Unit Prepared Gasoline Range Organics <50.0 U 50.0 mg/Kg 03/06/23 08:24 03/06/23 08:33

(GRO)-C6-C10

Client: Ensolum

Job ID: 890-4222-1

SDG: 03E2057020

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

Lab Sample ID: MB 880-47868/1-A

Lab Sample ID: LCS 880-47868/2-A

Project/Site: EVGSAU 2801/Maverick

Matrix: Solid

Analysis Batch: 47856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47868

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130		03/06/23 08:24	03/06/23 08:33	1
o-Terphenyl	125		70 - 130	C	03/06/23 08:24	03/06/23 08:33	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 47856 Prep Batch: 47868 LCS LCS Spike

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1067 107 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1020 102 mg/Kg 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-47868/3-A

Matrix: Solid

Analysis Batch: 47856

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

Prep Batch: 47868

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	961.3		mg/Kg	96	70 - 130	10	20
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	912.4		mg/Kg	91	70 - 130	11	20
C10-C28)								

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 o-Terphenyl 119 70 - 130

Lab Sample ID: 880-25357-A-22-C MS

Matrix: Solid

Analysis Batch: 47856

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47868

	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	999.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over	<49.9	U	998	1099		mg/Kg		110	70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	111		70 - 130

Client: Ensolum Job ID: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

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

Lab Sample ID: 880-25357-A-22-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 47856 Prep Batch: 47868

		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	9	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	ne Range Organics -C6-C10	<49.9	U	999	1079		mg/Kg		105	70 - 130	8	20
' '	Range Organics (Over	<49.9	U	999	1050		mg/Kg		105	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47840/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47996

мв мв

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/06/23 19:00	1

Lab Sample ID: LCS 880-47840/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 47996

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	241.1		mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-47840/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47996

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	241 0		ma/Ka		96	90 110		20	

Lab Sample ID: 890-4216-A-1-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47996

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	85.8		252	330.7		ma/Ka	_	97	90 110	

Lab Sample ID: 890-4216-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 47996

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	85.8		252	331.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Ensolum Project/Site: EVGSAU 2801/Maverick Job ID: 890-4222-1 SDG: 03E2057020

GC VOA

Prep Batch: 48205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	5035	
MB 880-48205/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48205/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48205/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4222-1 MS	SW02	Total/NA	Solid	5035	
890-4222-1 MSD	SW02	Total/NA	Solid	5035	

Prep Batch: 48309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48309/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 48323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	8021B	48205
MB 880-48205/5-A	Method Blank	Total/NA	Solid	8021B	48205
MB 880-48309/5-A	Method Blank	Total/NA	Solid	8021B	48309
LCS 880-48205/1-A	Lab Control Sample	Total/NA	Solid	8021B	48205
LCSD 880-48205/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48205
890-4222-1 MS	SW02	Total/NA	Solid	8021B	48205
890-4222-1 MSD	SW02	Total/NA	Solid	8021B	48205

Analysis Batch: 48554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	8015B NM	47868
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015B NM	47868
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47868
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47868
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015B NM	47868
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47868

Prep Batch: 47868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	8015NM Prep	
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: EVGSAU 2801/Maverick
Job ID: 890-4222-1
SDG: 03E2057020

HPLC/IC

Leach Batch: 47840

Lab Sample ID 890-4222-1	Client Sample ID SW02	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-47840/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4216-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4216-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 47996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4222-1	SW02	Soluble	Solid	300.0	47840
MB 880-47840/1-A	Method Blank	Soluble	Solid	300.0	47840
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	300.0	47840
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47840
890-4216-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	47840
890-4216-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	47840

8

46

44

14

13

14

Lab Chronicle

Client: Ensolum Job ID: 890-4222-1 Project/Site: EVGSAU 2801/Maverick SDG: 03E2057020

Client Sample ID: SW02 Lab Sample ID: 890-4222-1

Date Collected: 03/01/23 13:55 Matrix: Solid Date Received: 03/01/23 16:16

	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	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48554	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48047	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47840	03/05/23 14:43	CH	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 20:38	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: 890-4222-1 Project/Site: EVGSAU 2801/Maverick

SDG: 03E2057020

Laboratory: Eurofins Midland

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

AuthorityProgramTexasNELAP		ogram	Identification Number	Expiration Date
		ELAP	T104704400-22-25	
The following analytes the agency does not of	• •	t the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Ensolum

Project/Site: EVGSAU 2801/Maverick

Job ID: 890-4222-1

SDG: 03E2057020

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
3015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: EVGSAU 2801/Maverick

Job ID: 890-4222-1

SDG: 03E2057020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4222-1	SW02	Solid	03/01/23 13:55	03/01/23 16:16	0-4'

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Environment Testing Xenco

Chain of Custody

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

Mante Ouden No.		
	Work Order No:	

www.xenco.com

Project Manager:	Josh Adams		Bill to: (if	different)		Salet Jennings			sch 1	1 da	ms		Work Order Comments						1				
Company Name:	Ensolum, LLC			Compan	y Name:		Ensolum, LLC						- 1	Program: UST/PST PRP Brownfields RC uperfund									
Address:	3122 Nat'l Parks Highway			Address: 3122 Nat'l Parks High			lighway	ghway State of Project: NM															
City, State ZIP:	Carlsbad, NM 88220			City, Sta	te ZIP:	Carlsbad, NM 88220					tala	F	Reporting	: Level	I Le		PST/US			elIV L			
Phone:	303-517-8437 Email:			jadams	@ensolu	m.cc	com, Mennings Com Standard O Nothing, 12							Deliverables: EDD ADaPT Other:									
Project Name:	ICUGSAL	1141	MOUN	rick Tur	Around								ANAL	YSIS RE							Presei	vative Co	des
Project Number:	135205			Routine	Rusi	1.1	Pres.								T			T		Non	e: NO	DI Wate	r: H₂O
Project Location:	22.802535			Due Date:		,	Coue								1					Coo	: Cool	MeOH: I	Me
Sampler's Name:	Julianna				he day received by							1			'	1	HCL	: HC	HNO ₃ : H	IN			
PO #:				the lab, if re			y)							4/414/404/44/61			H ₂ St	0 ₄ : H ₂	NaOH: N	Na			
SAMPLE RECE	IPT Temp B	Blank:	(es No	Wet Ice:	Kes	No	ete											H ₃ P	O ₄ : HP				
Samples Received I	ceived Intact: (Yes) No Thermometer ID: Than FETT			WW					SO ₄ : NAB														
Cooler Custody Sea	ls: Yes No	NIA	Correction F	actor:		.2	Pa					111111111 890-4	222 Ch	nain of Cu	stoc	ly				1 -	S ₂ O ₃ : NaSo		
Sample Custody Sea	als: Yes No	N/A	Temperatur	e Reading:	1.	4				S	-							1	1		cetate+Na		20
Total Containers:			Corrected T	emperature:	1 1:	2				SE SE		١,								NaC	H+Ascorb	ic Acid: SAF	30
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp C	# of Cont	втех	TPH	CHLORIDES											Samp	le Comme	ents
5W02		5	8/1/23	1355	0-4'	C			7	7							+			N	APPL	rilek	5703
															+								
															+								
				1014											1								
							-								+		+	-	-				
Total 200.7 / 6				8RCRA 1										Cu Fe F					e Ag	SiO ₂ Na 1631 / 245.	Sr TI Sn	U V Zn	

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

Relinqμished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
- Xallovnata	marla State	3-1-23 161	t _e		
3			4		
			6		
(<u></u>		Revised Date: 08/25/2020 Rev. 202

3/13/2023

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4222-1 SDG Number: 03E2057020

Login Number: 4222 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: 890-4222-1

 SDG Number: 03E2057020

List Source: Eurofins Midland List Creation: 03/03/23 01:06 PM

List Number: 2 Creator: Teel, Brianna

Login Number: 4222

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 3/15/2023 3:43:02 PM

JOB DESCRIPTION

EVGSAU 2801/ Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4223-1

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 3/15/2023 3:43:02 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (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: EVGSAU 2801/ Maverick
Laboratory Job ID: 890-4223-1
SDG: 03E2057020

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Definitions/Glossary

Job ID: 890-4223-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

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

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4223-1

SDG: 03E2057020

Job ID: 890-4223-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4223-1

Receipt

The sample was received on 3/1/2023 4:16 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SW01 (890-4223-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-47868/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW01 (890-4223-1). 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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Lab Sample ID: 890-4223-1

Client Sample Results

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

Client Sample ID: SW01

Date Collected: 03/01/23 13:50 Date Received: 03/01/23 16:16

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
o-Xylene	<0.00201	U F1	0.00201	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		03/10/23 14:43	03/15/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/10/23 14:43	03/15/23 13:45	1
1,4-Difluorobenzene (Surr)	81		70 - 130			03/10/23 14:43	03/15/23 13:45	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/14/23 18:25	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/07/23 13:47	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 13:43	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			03/06/23 08:24	03/06/23 13:43	1
o-Terphenyl	136	S1+	70 - 130			03/06/23 08:24	03/06/23 13:43	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.5		5.04	mg/Kg			03/06/23 20:44	1

Surrogate Summary

Client: Ensolum Job ID: 890-4223-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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)	
890-4223-1	SW01	108	81	
890-4223-1 MS	SW01	111	93	
890-4223-1 MSD	SW01	109	94	
LCS 880-48332/1-A	Lab Control Sample	102	89	
LCSD 880-48332/2-A	Lab Control Sample Dup	99	90	
MB 880-48332/5-A	Method Blank	84	94	
Surrogate Legend				

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)
880-25357-A-22-C MS	Matrix Spike	115	111
880-25357-A-22-D MSD	Matrix Spike Duplicate	105	106
890-4223-1	SW01	130	136 S1+
LCS 880-47868/2-A	Lab Control Sample	126	135 S1+
LCSD 880-47868/3-A	Lab Control Sample Dup	114	119
MB 880-47868/1-A	Method Blank	110	125

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-4223-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48332/5-A

Matrix: Solid Analysis Batch: 48639 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48332

	MB	мв						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:43	03/15/23 13:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/10/23 14:43	03/15/23 13:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/23 14:43	03/15/23 13:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	03/10/23 14:43	03/15/23 13:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/10/23 14:43	03/15/23 13:23	1

Lab Sample ID: LCS 880-48332/1-A

Matrix: Solid

Analysis Batch: 48639

Client Sample ID: Lab Control Sample

Prop Ratch: 48332

Prep Batch: 48332

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07765		mg/Kg		78	70 - 130	
Toluene	0.100	0.07670		mg/Kg		77	70 - 130	
Ethylbenzene	0.100	0.07977		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	0.200	0.1622		mg/Kg		81	70 - 130	
o-Xylene	0.100	0.08264		mg/Kg		83	70 - 130	

LCS LCS

Surrogate	%Recovery Qu	alifier Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	89	70 - 130

Lab Sample ID: LCSD 880-48332/2-A

Matrix: Solid

Analysis Batch: 48639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48332

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.08413 mg/Kg 84 70 - 130 8 35 Toluene 0.100 0.08221 mg/Kg 82 70 - 130 35 Ethylbenzene 0.100 0.08334 mg/Kg 83 70 - 130 35 0.200 0.1699 m-Xylene & p-Xylene mg/Kg 85 70 - 130 35 0.100 0.08958 90 70 - 130 o-Xylene mg/Kg 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-4223-1 MS

Matrix: Solid

Analysis Batch: 48639

Client Sample ID: SW01
Prep Type: Total/NA

Prep Batch: 48332

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.03352	F1	mg/Kg		33	70 - 130	
Toluene	<0.00201	U F1	0.100	0.03897	F1	mg/Kg		39	70 - 130	

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Client Sample ID: SW01

Prep Type: Total/NA

QC Sample Results

Client: Ensolum Job ID: 890-4223-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

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

Lab Sample ID: 890-4223-1 MS **Matrix: Solid**

Analysis Batch: 48639									Prep	Batch: 48332
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U F1	0.100	0.04351	F1	mg/Kg		43	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.08603	F1	mg/Kg		43	70 - 130	
o-Xylene	<0.00201	U F1	0.100	0.04474	F1	mg/Kg		45	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 111 1,4-Difluorobenzene (Surr) 70 - 130 93

Lab Sample ID: 890-4223-1 MSD

Client Sample ID: SW01 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48639 Prep Batch: 48332

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0996	0.02719	F1	mg/Kg		27	70 - 130	21	35
Toluene	<0.00201	U F1	0.0996	0.03113	F1	mg/Kg		31	70 - 130	22	35
Ethylbenzene	<0.00201	U F1	0.0996	0.03380	F1	mg/Kg		34	70 - 130	25	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.06818	F1	mg/Kg		34	70 - 130	23	35
o-Xylene	<0.00201	U F1	0.0996	0.03787	F1	mg/Kg		38	70 - 130	17	35

MSD MSD Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 94 70 - 130

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

L

ab Sample ID: MB 880-47868/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Total/N							
Analysis Batch: 47856				Prep Batch: 4786						h: 47868	
	MB	MB									
					_	_		_			

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/06/23 08:24	03/06/23 08:33	1
o-Terphenyl	125		70 - 130	03/06/23 08:24	03/06/23 08:33	1

Lab Sample ID: LCS 880-47868/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 47856 Prep Batch: 47868

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1067		mg/Kg		107	70 - 130	
Diesel Range Organics (Over	1000	1020		mg/Kg		102	70 - 130	
C10-C28)								

Eurofins Carlsbad

Prep Type: Total/NA

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4223-1

SDG: 03E2057020

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

Lab Sample ID: LCS 880-47868/2-A

Matrix: Solid

Client: Ensolum

Analysis Batch: 47856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47868

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 126 70 - 130 o-Terphenyl 135 S1+ 70 - 130

Lab Sample ID: LCSD 880-47868/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 47856

Prep Type: Total/NA

Prep Batch: 47868

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 961.3 96 70 - 13010 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 912.4 91 mg/Kg 70 - 13011 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 114 119 70 - 130 o-Terphenyl

Lab Sample ID: 880-25357-A-22-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 47856

Prep Type: Total/NA

Prep Batch: 47868

Prep Type: Total/NA

Prep Batch: 47868

20

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D Gasoline Range Organics <49.9 U 998 999.6 mg/Kg 97 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 1099 mg/Kg 110 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 115 70 - 130 o-Terphenyl 111

Lab Sample ID: 880-25357-A-22-D MSD Client Sample ID: Matrix Spike Duplicate

999

Analysis Batch: 47856

Gasoline Range Organics

Diesel Range Organics (Over

Matrix: Solid

Sample Sample MSD MSD RPD Spike %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 1079 <49.9 105 70 - 130 8 20 mg/Kg

mg/Kg

105

70 - 130

1050

C10-C28)

(GRO)-C6-C10

Analyte

MSD MSD

<49.9 U

Qualifier Surrogate %Recovery Limits 1-Chlorooctane 105 70 - 130 106 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SW01

Client Sample ID: SW01

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-4223-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47840/1-A

Matrix: Solid

Analysis Batch: 47996

MB MB

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit mg/Kg
 D Prepared
 Analyzed Analyzed
 Dil Fac Dil Fa

Lab Sample ID: LCS 880-47840/2-A

Matrix: Solid

Analysis Batch: 47996

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 241.1 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-47840/3-A

Matrix: Solid

Analysis Batch: 47996

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 241.0 mg/Kg 90 - 110

Lab Sample ID: 890-4223-1 MS

Matrix: Solid

Analysis Batch: 47996

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 342.2 Chloride 88.5 252 101 90 - 110 mg/Kg

Lab Sample ID: 890-4223-1 MSD

Matrix: Solid

Analysis Batch: 47996

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 252 88.5 342.3 mg/Kg 101 90 - 110 0 20

QC Association Summary

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick Job ID: 890-4223-1 SDG: 03E2057020

GC VOA

Prep Batch: 48332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Total/NA	Solid	5035	
MB 880-48332/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48332/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48332/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4223-1 MS	SW01	Total/NA	Solid	5035	
890-4223-1 MSD	SW01	Total/NA	Solid	5035	

Analysis Batch: 48629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Total/NA	Solid	Total BTEX	

Analysis Batch: 48639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Total/NA	Solid	8021B	48332
MB 880-48332/5-A	Method Blank	Total/NA	Solid	8021B	48332
LCS 880-48332/1-A	Lab Control Sample	Total/NA	Solid	8021B	48332
LCSD 880-48332/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48332
890-4223-1 MS	SW01	Total/NA	Solid	8021B	48332
890-4223-1 MSD	SW01	Total/NA	Solid	8021B	48332

GC Semi VOA

Analysis Batch: 47856

Lab Sample ID 890-4223-1	Client Sample ID SW01	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 47868
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015B NM	47868
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47868
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47868
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015B NM	47868
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47868

Prep Batch: 47868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Total/NA	Solid	8015NM Prep	
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Soluble	Solid	DI Leach	
MB 880-47840/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

HPLC/IC (Continued)

Leach Batch: 47840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1 MS	SW01	Soluble	Solid	DI Leach	
890-4223-1 MSD	SW01	Soluble	Solid	DI Leach	

Analysis Batch: 47996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-1	SW01	Soluble	Solid	300.0	47840
MB 880-47840/1-A	Method Blank	Soluble	Solid	300.0	47840
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	300.0	47840
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47840
890-4223-1 MS	SW01	Soluble	Solid	300.0	47840
890-4223-1 MSD	SW01	Soluble	Solid	300.0	47840

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Lab Chronicle

Client: Ensolum Job ID: 890-4223-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: SW01 Lab Sample ID: 890-4223-1

Date Collected: 03/01/23 13:50 Matrix: Solid Date Received: 03/01/23 16:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 13:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48048	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 13:43	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47840	03/05/23 14:43	СН	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 20:44	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: 890-4223-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

Laboratory: Eurofins Midland

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

Authority	Pr	rogram	Identification Number	Expiration Date	
Texas	NI	ELAP	T104704400-22-25	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		
Total BTEX		Solid	Total BTEX		

Method Summary

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4223-1 SDG: 03E2057020

Laboratory

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

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Sample Summary

Client: Ensolum

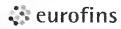
Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4223-1

SDG: 03E2057020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4223-1	SW01	Solid	03/01/23 13:50	03/01/23 16:16	0-4'

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Environment Testing Xenco

Chain of Custody

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

Work	Order No:	

		<u></u>																<u>v</u>	VWW.	xenco	.COIII	Page 1	01
Project Manager:	Josh Adams				Bill to: (if	different)		Kulci		<u> </u>	nex	Ada	MS		_				٧	Vork (Order	r Comments	
Company Name:	Ensolum, LLC				Compan	y Name:		Ensol	um, LL	.C						Program: UST/PST PRP Brownfields RC uperfund							
Address:	3122 Nat'l Parks Highway			Address	:		3122	Nat'l P	arks Hi	ighway					State of	•			_	_			
City, State ZIP:	Carlsbad, NM 88220 Cit			City, Sta	te ZIP:		Carlsb	ad, N	M 8822	20 /	NO	mad	ra.			-					T/UST ☐ TRRP [Level IV [_]	
Phone:	303-517-8437			Email:	jadams	@ensolu	ım.co	m, ki	onnine	те@ег	noorun	ı.com	- Q	Sen	50lu	Prive	#Y4s:	EDD			ADaP1	T Other:	
Project Name:	EVASAU	2801	Marker	ek, Turi	Around								ANAL									Preserva	tive Codes
Project Number:	132205			Routine	Rush		Pres.															None: NO	DI Water: H ₂ O
Sampler's Name: PO #:	32.402535 Julianna	;-103.	459.481 nata	Due Date: TAT starts the lab, if re-	ceived by 4	1:30pm	ers								. 25254 111		imi					HCL: HC H ₂ S0 ₄ : H ₂	MeOH: Me HNO₃: HN NaOH: Na
SAMPLE RECEI			Yes No	Wet Ice:	(Yes)		meters					WWW	Milli	MIM		11111	M		,			H₃PO₄: HP NaHSO₄: NABIS	
Samples Received Intact: (Nes No Thermometer ID: Cooler Custody Seals: Yes No N/A Correction Factor:				-007	Para				\	1111111		111111		4/11/11/11/11/11				Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Sea					-0	11								MI III	li inii	Mana a	11111					Zn Acetate+NaOl-	H: Zn
Sample Custody Seals: Yes No NA Temperature Reading: Total Containers: Corrected Temperature:			1	5			890-4223 Chain of Cust				Custo	stody				NaOH+Ascorbic A							
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled	Depth		# of Cont	BTEX	ТРН	CHLORIDES	-											Sample (Comments
SMOI		S	3/1/23	1350	0-4'	C	1			<i>J</i>												NAPPOZ	1615703
																		-					
							\dashv									-	+	+					
								\dashv															
Total 200.7 / 6 Circle Method(s) a				TCLP / S		10: 8RC	RA S	Sb A	s Ba	Be C	d Cr	Co C	u Pb	Mn	Mo N	i Se /	Ag TI	U		Hg: 1	631 /	Na Sr Tl Sn U 245.1 / 7470 / 7	- 1

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

Reinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 XXXIIIXIIIXIIIX	anda Stif	3-1-23 1616	2		
3/1	/		4		
					Revised Date: 08/25/2020 Rev. 20

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4223-1 SDG Number: 03E2057020

Login Number: 4223 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: 890-4223-1 SDG Number: 03E2057020

List Source: Eurofins Midland

List Number: 2 Creator: Teel, Brianna

Login Number: 4223

List Creation: 03/03/23 01:06 PM

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.	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

Released to Imaging: 7/14/2023 2:02:50 PM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 3/15/2023 3:53:23 PM

JOB DESCRIPTION

EVGSAU 2801/ Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4224-1

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 3/15/2023 3:53:23 PM

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

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Laboratory Job ID: 890-4224-1

SDG: 03E2057020

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QC Sample Results	14
QC Association Summary	18
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Definitions/Glossary

Job ID: 890-4224-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Qualifiers

GC VOA

Qualifier **Qualifier Description** MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4224-1

SDG: 03E2057020

Job ID: 890-4224-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4224-1

Receipt

The samples were received on 3/1/2023 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-4224-1), FS02 (890-4224-2), FS03 (890-4224-3), FS04 (890-4224-4), FS05 (890-4224-5), FS06 (890-4224-6), FS07 (890-4224-7) and FS08 (890-4224-8).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-47868/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Lab Sample ID: 890-4224-1

Client Sample Results

Client: Ensolum Job ID: 890-4224-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS01

Date Collected: 03/01/23 11:00 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/10/23 14:41	03/14/23 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/10/23 14:41	03/14/23 18:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/10/23 14:41	03/14/23 18:08	1
Total BTEX	<0.00402		0.00402	mg/Kg			03/14/23 18:25	1
Method: SW846 8015 NM - Diesel			•	Unit	D	Prenared	Analyzod	Dil Fac
Analyte Total TPH		Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/07/23 13:47	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	50.0		<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U nics (DRO) Qualifier	RL 50.0	mg/Kg		<u> </u>	03/07/23 13:47	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0 el Range Orga Result	Qualifier U nics (DRO) Qualifier	(GC) RL 50.0	mg/Kg		Prepared	03/07/23 13:47 Analyzed 03/06/23 14:04	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Orga	Qualifier U nics (DRO) Qualifier U	RL	mg/Kg		Prepared	03/07/23 13:47 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 el Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 03/06/23 08:24	03/07/23 13:47 Analyzed 03/06/23 14:04	1

Client Sample ID: FS02 Lab Sample ID: 890-4224-2

RL

4.98

Unit

mg/Kg

70 - 130

70 - 130

108

121

233

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 03/01/23 11:05 Date Received: 03/01/23 16:16

Sample Depth: 4'

1-Chlorooctane

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/10/23 14:41	03/14/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/10/23 14:41	03/14/23 18:28	1

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2

2

4

6

8

10

12

03/06/23 08:24

03/06/23 08:24

Prepared

D

03/06/23 14:04

03/06/23 14:04

Analyzed

03/06/23 21:03

Dil Fac

Matrix: Solid

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4224-1

SDG: 03E2057020

Client Sample ID: FS02

Date Collected: 03/01/23 11:05 Date Received: 03/01/23 16:16

Sample Depth: 4'

Client: Ensolum

Lab Sample ID: 890-4224-2

Prepared

Analyzed

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 03/10/23 14:41 1,4-Difluorobenzene (Surr) 91 03/14/23 18:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00404 0.00404 03/14/23 18:25 mg/Kg

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

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 49.9 mg/Kg 03/07/23 13:47

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U 49.9 03/06/23 08:24 03/06/23 14:26 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <49.9 U 49.9 mg/Kg 03/06/23 08:24 03/06/23 14:26 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 03/06/23 08:24 03/06/23 14:26

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 124 70 - 130

03/06/23 08:24 03/06/23 14:26 03/06/23 08:24 o-Terphenyl 125 70 - 130 03/06/23 14:26

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 24.8 03/06/23 21:09 Chloride 2440 mg/Kg

Lab Sample ID: 890-4224-3 **Client Sample ID: FS03**

Date Collected: 03/01/23 11:10

Date Received: 03/01/23 16:16

Sample Depth: 4'

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 03/10/23 14:41 03/14/23 18:49 Toluene <0.00199 U 0.00199 03/10/23 14:41 03/14/23 18:49 mg/Kg Ethylbenzene <0.00199 U 0.00199 03/10/23 14:41 03/14/23 18:49 mg/Kg 03/10/23 14:41 03/14/23 18:49 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 03/10/23 14:41 03/14/23 18:49 Xylenes, Total <0.00398 U 0.00398 mg/Kg 03/10/23 14:41 03/14/23 18:49

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 03/10/23 14:41 4-Bromofluorobenzene (Surr) 101 03/14/23 18:49 1,4-Difluorobenzene (Surr) 92 70 - 130 03/10/23 14:41 03/14/23 18:49

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 03/14/23 18:25 mg/Kg

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U 03/07/23 13:47 Total TPH 49.9 mg/Kg

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Dil Fac

Matrix: Solid

Job ID: 890-4224-1

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS03

Dat Date Received: 03/01/23 16:16

Sample Depth: 4'

lient Sample ID: FS03	Lab Sample ID: 890-4224-3
ate Collected: 03/01/23 11:10	Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 14:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 14:47	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			03/06/23 08:24	03/06/23 14:47	1
o-Terphenyl	118		70 - 130			03/06/23 08:24	03/06/23 14:47	1
– Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte								

Client Sample ID: FS04 Lab Sample ID: 890-4224-4 Matrix: Solid

Date Collected: 03/01/23 11:15 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 14:41	03/14/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/10/23 14:41	03/14/23 19:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130			03/10/23 14:41	03/14/23 19:09	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			03/14/23 18:25	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/07/23 13:47	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 15:09	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/06/23 08:24	03/06/23 15:09	1
							03/06/23 15:09	

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3/15/2023

Job ID: 890-4224-1

Client: Ensolum SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: FS04 Date Collected: 03/01/23 11:15

Lab Sample ID: 890-4224-4

Date Received: 03/01/23 16:16

Matrix: Solid

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210	4.99	mg/Kg			03/06/23 21:34	1

Client Sample ID: FS05 Lab Sample ID: 890-4224-5

Date Collected: 03/01/23 11:20 Date Received: 03/01/23 16:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Matrix: Solid

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/10/23 14:41	03/14/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/10/23 14:41	03/14/23 19:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/10/23 14:41	03/14/23 19:30	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/15/23 16:44	1
 Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (GC)					

moniou. Otto-to continui. Dioco	i italigo Organi	100 (Bitto) (C	- ,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/07/23 13:47	1
Mothod: CM04C 004ED NM Dies	al Damas Orma	nice (DDO) (20)					

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 15:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/06/23 08:24	03/06/23 15:53	1
o-Terphenyl	125		70 - 130			03/06/23 08:24	03/06/23 15:53	1

Method: EPA 300.0 - Anions, Ion Ch	hromatography	y - Soluble						
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		5.05	mg/Kg			03/06/23 21:40	1

Lab Sample ID: 890-4224-6

Client: Ensolum

Job ID: 890-4224-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS06

Date Collected: 03/01/23 11:25 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/10/23 14:41	03/14/23 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/10/23 14:41	03/14/23 19:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/10/23 14:41	03/14/23 19:50	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	mg/Kg			03/15/23 16:44	1
•				mg/Kg			00/10/20 10.44	·
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) (C	GC)		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0	ics (DRO) (0 Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0	ics (DRO) (0 Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ((Qualifier U)	SC) RL 50.0 (GC) RL	Unit	<u>D</u>	Prepared Prepared	Analyzed 03/07/23 13:47 Analyzed	1
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 Organ	ics (DRO) ((Qualifier U)	RL 50.0	Unit mg/Kg		<u> </u>	Analyzed 03/07/23 13:47	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 <50.0 sel Range Orga Result <50.0	ics (DRO) (O Qualifier U nics (DRO) Qualifier	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15	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	ics (DRO) (O Qualifier U nics (DRO) Qualifier	SC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 03/07/23 13:47 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 C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Control of the control of	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15	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 <50.0	ics (DRO) (Control of the control of	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15	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	ics (DRO) (CONTINUE OF CONTINUE OF CONTI	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 104	ics (DRO) (CONTINUE OF CONTINUE OF CONTI	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15	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 <50.0 sel Range Orga Result <50.0 <50.0 <80.0 %Recovery	ics (DRO) (CONTINUE OF CONTINUE OF CONTI	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15 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 C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 104 120 Chromatograp	ics (DRO) (Control of the control of	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15 Analyzed 03/06/23 16:15	1 Dil Fac 1 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 104 120 Chromatograp	ics (DRO) (Control of the control of	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/06/23 08:24 03/06/23 08:24 03/06/23 08:24 Prepared 03/06/23 08:24	Analyzed 03/07/23 13:47 Analyzed 03/06/23 16:15 03/06/23 16:15 Analyzed 03/06/23 16:15	1 Dil Fac

Client Sample ID: FS07 Lab Sample ID: 890-4224-7

Date Collected: 03/01/23 11:30 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/10/23 14:41	03/14/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/10/23 14:41	03/14/23 20:11	1

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Matrix: Solid

Lab Sample ID: 890-4224-7

Job ID: 890-4224-1

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS07

Date Collected: 03/01/23 11:30 Date Received: 03/01/23 16:16

Sample Depth: 4'

Method: SW846 8021B - Volatile	Organic Compoun	nds (GC) (Continued)
modification of the country	, organic compoun	

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97	70 - 130	03/10/23 14:41	03/14/23 20:11	1

Mathad, TAI	COD Total DTEV	Total DTCV	Calaulatian
Method. IAL	. SOP Total BTEX	- IUIAI DIEA	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/15/23 16:44	1

Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 L	U	50.0	mg/Kg		<u> </u>	03/07/23 13:47	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 16:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 16:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 16:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117	70 - 130	03/06/23 08:24	03/06/23 16:37	1
o-Terphenyl	122	70 - 130	03/06/23 08:24	03/06/23 16:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257		4.96	mg/Kg			03/06/23 21:52	1

Client Sample ID: FS08 Lab Sample ID: 890-4224-8 Matrix: Solid

Date Collected: 03/01/23 11:35 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
Ethylbenzene	0.0317		0.00198	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
m-Xylene & p-Xylene	0.0490		0.00396	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
Xylenes, Total	0.0490		0.00396	mg/Kg		03/10/23 14:41	03/14/23 20:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/10/23 14:41	03/14/23 20:31	1

4-Bromofluorobenzene (Surr)	102	70 - 130	03/10/23 14:41	03/14/23 20:31	1
1,4-Difluorobenzene (Surr)	101	70 - 130	03/10/23 14:41	03/14/23 20:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0807		0.00396	mg/Kg			03/15/23 16:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2010		49.9	mg/Kg			03/07/23 13:47	1

Lab Sample ID: 890-4224-8

Client Sample Results

Client: Ensolum Job ID: 890-4224-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS08

Date Collected: 03/01/23 11:35 Date Received: 03/01/23 16:16

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	254		49.9	mg/Kg		03/06/23 08:24	03/06/23 16:59	1
Diesel Range Organics (Over C10-C28)	1760		49.9	mg/Kg		03/06/23 08:24	03/06/23 16:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130			03/06/23 08:24	03/06/23 16:59	1
o-Terphenvl	147	S1+	70 - 130			03/06/23 08:24	03/06/23 16:59	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble	;					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1930	25.0	mg/Kg			03/06/23 21:58	5

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Surrogate Summary

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4218-A-1-C MS	Matrix Spike	103	103	
890-4218-A-1-D MSD	Matrix Spike Duplicate	104	101	
890-4224-1	FS01	108	94	
890-4224-2	FS02	100	91	
890-4224-3	FS03	101	92	
890-4224-4	FS04	98	91	
890-4224-5	FS05	103	97	
890-4224-6	FS06	104	94	
890-4224-7	FS07	98	97	
890-4224-8	FS08	102	101	
LCS 880-48331/1-A	Lab Control Sample	102	100	
LCSD 880-48331/2-A	Lab Control Sample Dup	100	103	
MB 880-48331/5-A	Method Blank	94	91	
Surrogate Legend	Method Blank	94	91	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25357-A-22-C MS	Matrix Spike	115	111	
880-25357-A-22-D MSD	Matrix Spike Duplicate	105	106	
890-4224-1	FS01	108	121	
890-4224-2	FS02	124	125	
890-4224-3	FS03	121	118	
890-4224-4	FS04	122	126	
890-4224-5	FS05	122	125	
890-4224-6	FS06	104	120	
890-4224-7	FS07	117	122	
890-4224-8	FS08	139 S1+	147 S1+	
LCS 880-47868/2-A	Lab Control Sample	126	135 S1+	
LCSD 880-47868/3-A	Lab Control Sample Dup	114	119	
MB 880-47868/1-A	Method Blank	110	125	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-4224-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48331/5-A

Matrix: Solid

Analysis Batch: 48569

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48331

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 11:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/10/23 14:41	03/14/23 11:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 14:41	03/14/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/23 14:41	03/14/23 11:30	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/10/23 14:41	03/14/23 11:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/10/23 14:41	03/14/23 11:30	1

Lab Sample ID: LCS 880-48331/1-A

Matrix: Solid

Analysis Batch: 48569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48331

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09897	-	mg/Kg		99	70 - 130	
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.09955		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-48331/2-A

Matrix: Solid

Analysis Batch: 48569

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48331

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1026		mg/Kg		103	70 - 130	4	35
Toluene	0.100	0.1052		mg/Kg		105	70 - 130	1	35
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2068		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4218-A-1-C MS

Matrix: Solid

Analysis Batch: 48569

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

Prep Batch: 48331

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0998	0.06755	F1	mg/Kg		68	70 - 130	
Toluene	<0.00200	U F1	0.0998	0.06831	F1	mg/Kg		68	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-4224-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

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

Lab Sample ID: 890-4218-A-1-C MS

Lab Sample ID: 890-4218-A-1-D MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 48569

Analysis Batch: 48569

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48331

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1	0.0998	0.06445	F1	mg/Kg		65	70 - 130	
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1307	F1	mg/Kg		65	70 - 130	
o-Xylene	<0.00200	U F1	0.0998	0.06563	F1	mg/Kg		66	70 - 130	

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48331

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0990	0.08100		mg/Kg		82	70 - 130	18	35
Toluene	<0.00200	U F1	0.0990	0.08187		mg/Kg		83	70 - 130	18	35
Ethylbenzene	<0.00200	U F1	0.0990	0.07659		mg/Kg		77	70 - 130	17	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1554		mg/Kg		78	70 - 130	17	35
o-Xylene	<0.00200	U F1	0.0990	0.07805		mg/Kg		79	70 - 130	17	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-47868/1-A

Matrix: Solid

Analysis Batch: 47856

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 47868

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/06/23 08:2	4 03/06/23 08:33	1
o-Terphenyl	125		70 - 130	03/06/23 08:2	4 03/06/23 08:33	1

Lab Sample ID: LCS 880-47868/2-A

Matrix: Solid

Analysis Batch: 47856

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

Prep Batch: 47868 LCS LCS Spike %Rec

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1067		mg/Kg		107	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1020		mg/Kg		102	70 - 130
C10-C28)							

Prep Batch: 47868

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Job ID: 890-4224-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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

Lab Sample ID: LCS 880-47868/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 47856

LCS LCS Surrogate %Recovery Qualifier Limits

1-Chlorooctane 126 70 - 130 o-Terphenyl 135 S1+ 70 - 130

Lab Sample ID: LCSD 880-47868/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 47856

Prep Batch: 47868 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 961.3 96 70 - 13010 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 912.4 91 mg/Kg 70 - 13011 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 114 119 70 - 130 o-Terphenyl

Lab Sample ID: 880-25357-A-22-C MS

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 47856** Prep Batch: 47868 Sample Sample MS MS Spike

Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 999.6 mg/Kg 97 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 1099 mg/Kg 110 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 115 70 - 130 o-Terphenyl 111

Lab Sample ID: 880-25357-A-22-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 47856 Prep Batch: 47868

	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	999	1079		mg/Kg		105	70 - 130	8	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.9	U	999	1050		mg/Kg		105	70 - 130	5	20	
040,000)												

C10-C28)

	WISD	MISD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

MSD MSD

Client: Ensolum Job ID: 890-4224-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47840/1-A

Matrix: Solid

Analysis Batch: 47996

Client Sample ID: Method Blank **Prep Type: Soluble**

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Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 03/06/23 19:00

Lab Sample ID: LCS 880-47840/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 47996

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 241.1 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-47840/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 47996

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 241.0 mg/Kg 90 - 110

Lab Sample ID: 890-4223-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47996

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier Result Unit %Rec Limits 342.2 Chloride 88.5 252 101 90 - 110 mg/Kg

Lab Sample ID: 890-4223-A-1-C MSD

Matrix: Solid

Analysis Batch: 47996

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 252 88.5 342.3 mg/Kg 101 90 - 110 0 20

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Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

QC Association Summary

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

GC VOA

Prep Batch: 48331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Total/NA	Solid	5035	
890-4224-2	FS02	Total/NA	Solid	5035	
890-4224-3	FS03	Total/NA	Solid	5035	
890-4224-4	FS04	Total/NA	Solid	5035	
890-4224-5	FS05	Total/NA	Solid	5035	
890-4224-6	FS06	Total/NA	Solid	5035	
890-4224-7	FS07	Total/NA	Solid	5035	
890-4224-8	FS08	Total/NA	Solid	5035	
MB 880-48331/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48331/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48331/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4218-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4218-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Total/NA	Solid	8021B	48331
890-4224-2	FS02	Total/NA	Solid	8021B	48331
890-4224-3	FS03	Total/NA	Solid	8021B	48331
890-4224-4	FS04	Total/NA	Solid	8021B	48331
890-4224-5	FS05	Total/NA	Solid	8021B	48331
890-4224-6	FS06	Total/NA	Solid	8021B	48331
890-4224-7	FS07	Total/NA	Solid	8021B	48331
890-4224-8	FS08	Total/NA	Solid	8021B	48331
MB 880-48331/5-A	Method Blank	Total/NA	Solid	8021B	48331
LCS 880-48331/1-A	Lab Control Sample	Total/NA	Solid	8021B	48331
LCSD 880-48331/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48331
890-4218-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	48331
890-4218-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48331

Analysis Batch: 48629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Total/NA	Solid	Total BTEX	
890-4224-2	FS02	Total/NA	Solid	Total BTEX	
890-4224-3	FS03	Total/NA	Solid	Total BTEX	
890-4224-4	FS04	Total/NA	Solid	Total BTEX	
890-4224-5	FS05	Total/NA	Solid	Total BTEX	
890-4224-6	FS06	Total/NA	Solid	Total BTEX	
890-4224-7	FS07	Total/NA	Solid	Total BTEX	
890-4224-8	FS08	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Total/NA	Solid	8015B NM	47868
890-4224-2	FS02	Total/NA	Solid	8015B NM	47868
890-4224-3	FS03	Total/NA	Solid	8015B NM	47868
890-4224-4	FS04	Total/NA	Solid	8015B NM	47868
890-4224-5	FS05	Total/NA	Solid	8015B NM	47868
890-4224-6	FS06	Total/NA	Solid	8015B NM	47868

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Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

GC Semi VOA (Continued)

Analysis Batch: 47856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-7	FS07	Total/NA	Solid	8015B NM	47868
890-4224-8	FS08	Total/NA	Solid	8015B NM	47868
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015B NM	47868
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47868
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47868
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015B NM	47868
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47868

Prep Batch: 47868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Total/NA	Solid	8015NM Prep	
890-4224-2	FS02	Total/NA	Solid	8015NM Prep	
890-4224-3	FS03	Total/NA	Solid	8015NM Prep	
890-4224-4	FS04	Total/NA	Solid	8015NM Prep	
890-4224-5	FS05	Total/NA	Solid	8015NM Prep	
890-4224-6	FS06	Total/NA	Solid	8015NM Prep	
890-4224-7	FS07	Total/NA	Solid	8015NM Prep	
890-4224-8	FS08	Total/NA	Solid	8015NM Prep	
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-4224-1	FS01	Total/NA	Solid	8015 NM	
890-4224-2	FS02	Total/NA	Solid	8015 NM	
890-4224-3	FS03	Total/NA	Solid	8015 NM	
890-4224-4	FS04	Total/NA	Solid	8015 NM	
890-4224-5	FS05	Total/NA	Solid	8015 NM	
890-4224-6	FS06	Total/NA	Solid	8015 NM	
890-4224-7	FS07	Total/NA	Solid	8015 NM	
890-4224-8	FS08	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Soluble	Solid	DI Leach	
890-4224-2	FS02	Soluble	Solid	DI Leach	
890-4224-3	FS03	Soluble	Solid	DI Leach	
890-4224-4	FS04	Soluble	Solid	DI Leach	
890-4224-5	FS05	Soluble	Solid	DI Leach	
890-4224-6	FS06	Soluble	Solid	DI Leach	
890-4224-7	FS07	Soluble	Solid	DI Leach	
890-4224-8	FS08	Soluble	Solid	DI Leach	
MB 880-47840/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4223-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	

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Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

HPLC/IC (Continued)

Leach Batch: 47840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4223-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 47996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4224-1	FS01	Soluble	Solid	300.0	47840
890-4224-2	FS02	Soluble	Solid	300.0	47840
890-4224-3	FS03	Soluble	Solid	300.0	47840
890-4224-4	FS04	Soluble	Solid	300.0	47840
890-4224-5	FS05	Soluble	Solid	300.0	47840
890-4224-6	FS06	Soluble	Solid	300.0	47840
890-4224-7	FS07	Soluble	Solid	300.0	47840
890-4224-8	FS08	Soluble	Solid	300.0	47840
MB 880-47840/1-A	Method Blank	Soluble	Solid	300.0	47840
LCS 880-47840/2-A	Lab Control Sample	Soluble	Solid	300.0	47840
LCSD 880-47840/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47840
890-4223-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	47840
890-4223-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	47840

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Job ID: 890-4224-1

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS01 Lab Sample ID: 890-4224-1 Date Collected: 03/01/23 11:00

Matrix: Solid

Date Received: 03/01/23 16:16

	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	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 14:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47840	03/05/23 14:43	СН	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:03	CH	EET MID

Client Sample ID: FS02 Lab Sample ID: 890-4224-2

Date Collected: 03/01/23 11:05 Matrix: Solid

Date Received: 03/01/23 16:16

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.95 g 5 mL 48331 03/10/23 14:41 MNR EET MID Total/NA 8021B 5 mL 03/14/23 18:28 **EET MID** Analysis 1 5 mL 48569 MNR Total/NA Total BTEX 48629 03/14/23 18:25 Analysis 1 A.I **EET MID** Total/NA Analysis 8015 NM 48049 03/07/23 13:47 SM **EET MID** Total/NA 47868 Prep 8015NM Prep 10.02 g 10 mL 03/06/23 08:24 ΑJ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 47856 03/06/23 14:26 SM **EET MID** Soluble 5.05 g 03/05/23 14:43 Leach DI Leach 50 mL 47840 CH **EET MID** Soluble Analysis 300.0 5 47996 03/06/23 21:09 СН **EET MID**

Lab Sample ID: 890-4224-3 **Client Sample ID: FS03** Date Collected: 03/01/23 11:10

Date Received: 03/01/23 16:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47868	03/06/23 08:24	AJ	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 14:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47840	03/05/23 14:43	CH	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:27	CH	EET MID

Client Sample ID: FS04 Lab Sample ID: 890-4224-4

Date Collected: 03/01/23 11:15 Date Received: 03/01/23 16:16

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/14/23 18:25	AJ	EET MID

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Matrix: Solid

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Matrix: Solid

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4224-1 SDG: 03E2057020

Lab Sample ID: 890-4224-4

Client Sample ID: FS04

Date Collected: 03/01/23 11:15 Date Received: 03/01/23 16:16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 15:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47840	03/05/23 14:43	СН	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:34	CH	EET MID

Lab Sample ID: 890-4224-5

Date Collected: 03/01/23 11:20

Client Sample ID: FS05

Matrix: Solid

Date Received: 03/01/23 16:16

	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	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/15/23 16:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47840	03/05/23 14:43	CH	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:40	CH	EET MID

Client Sample ID: FS06 Lab Sample ID: 890-4224-6 Date Collected: 03/01/23 11:25

Date Received: 03/01/23 16:16

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			4.97 g	5 mL	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/15/23 16:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 16:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47840	03/05/23 14:43	СН	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:46	CH	EET MID

Client Sample ID: FS07 Lab Sample ID: 890-4224-7

Date Collected: 03/01/23 11:30 Date Received: 03/01/23 16:16 **Matrix: Solid**

	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	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/15/23 16:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 16:37	SM	EET MID

Lab Chronicle

Client: Ensolum Job ID: 890-4224-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS07

Date Collected: 03/01/23 11:30 Date Received: 03/01/23 16:16 Lab Sample ID: 890-4224-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	47840	03/05/23 14:43	CH	EET MID
Soluble	Analysis	300.0		1			47996	03/06/23 21:52	CH	EET MID

Client Sample ID: FS08 Lab Sample ID: 890-4224-8

Date Collected: 03/01/23 11:35 Date Received: 03/01/23 16:16 **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			5.05 g	5 mL	48331	03/10/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48569	03/14/23 20:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48629	03/15/23 16:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48049	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47840	03/05/23 14:43	СН	EET MID
Soluble	Analysis	300.0		5			47996	03/06/23 21:58	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: EVGSAU 2801/ Maverick
SDG: 03E2057020

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	T104704400-22-25	06-30-23	
The following analytes	are included in this report by	it the laboratory is not cortifi	ed by the governing authority. This list ma	ov include analytee fo	
the agency does not of	. ,	at the laboratory is not certifi	ed by the governing authority. This list his	ay iliciude allaiytes id	
0 ,	. ,	Matrix	Analyte	ay include analytes to	
the agency does not of	fer certification.	•	, , ,	ay include analytes to	

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Method Summary

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick Job ID: 890-4224-1 SE

DG: 03E2057020	

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4224-1 SDG: 03E2057020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4224-1	FS01	Solid	03/01/23 11:00	03/01/23 16:16	4'
890-4224-2	FS02	Solid	03/01/23 11:05	03/01/23 16:16	4'
890-4224-3	FS03	Solid	03/01/23 11:10	03/01/23 16:16	4'
890-4224-4	FS04	Solid	03/01/23 11:15	03/01/23 16:16	4'
890-4224-5	FS05	Solid	03/01/23 11:20	03/01/23 16:16	4'
890-4224-6	FS06	Solid	03/01/23 11:25	03/01/23 16:16	4'
890-4224-7	FS07	Solid	03/01/23 11:30	03/01/23 16:16	4'
890-4224-8	FS08	Solid	03/01/23 11:35	03/01/23 16:16	4'

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Environment Testing Xenco

Chain of Custody

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

Work Order No:	

													www.xend	co.com Page L of	
Project Manager:	Josh Adams					Bill to: (if	f different)	Kalci	Jermir	igs _	Josh Adoms	Worl	Conder Comments	
Company Name:	Ensolum, LLC					Compan	y Name	:	Enso	ium, Ll			Program: UST/PST PRP	Brownfields ☐RC ☐uperfund ☐	
Address:	3122 Nat'l Park	s Highv	vay			Address	£		_			Highway	State of Project: NM		
City, State ZIP:	Carlsbad, NM	88220				City, Sta	State ZIP: Carlsbad, NM 88220 Follow Mota &				IM 882	220 folcomota a	Reporting: Level II Level III PST/UST TRRP Level I		
Phone:	303-517-8437				Email:	jadams	jadams@ensolum.com, kienninge@ensolum.com				ge@e	MINGAP Mos. mulbens	• DD L	ADaPT Other:	
Project Name:	EVASAU	1801	IM	avert		n Around						ANALYSIS I		Preservative Codes	
Project Number:	U3E205		111.0		☑ Routine	Rush	า	Pres.						None: NO DI Water: H ₂ O	
Project Location: Sampler's Name: PO #:	32.8053S Julianna	-103.	459 nata	ysl	Due Date: TAT starts to the lab, if re			ys.						Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECE	EIPT Temp !	Blank:	Yes	s) No	Wet Ice:	Res	No	eter	1			1 1000/001 1100 1000 1000 1000 1000	114 510 1 1 11 11 11 11 11 11 11 11 11 11 11 11	H₃PO₄: HP	
Samples Received Cooler Custody Sea		No MTA		momete ection F		TAN	7.1	Param						NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Se Total Containers:	eals: Yes No	N/A	-		e Reading: emperature:	1	4				IDES	890-4224 Chain of		Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sample Ide	entification	Matrix		ate npled	Time Sampled	Depth	Grab/ Comp	# of Cont	ВТЕХ	HA.	CHLORIDES			Sample Comments	
F501		5	3	1/23	1100	4'	C	1							
F502					1105	Li.								NAPP122465703	
F503					1110		Ш	Ш	Ш						
F504					1115					1					
F505					1120						1				
P506					1125				$\perp \perp$						
F507					1130				11	\sqcup					
F307		V	\	V	1135	V	4	4							
-															
								<u></u>		<u> </u>					
Total 200.7 /	6010 200.8 / 6	6020:			8RCRA 1	3PPM	Texas 1	11 A	Sb /	As Ba	a Be	B Cd Ca Cr Co Cu Fe	e Pb Mg Mn Mo Ni K Se Ag	SiO ₂ Na Sr Tl Sn U V Zn	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Lallamala	Amenda Stut	3-1-23 16/6	2		
W		•	4		
5(1)			6		Revised Date: 08/25/2020 Rev. 2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4224-1 SDG Number: 03E2057020

Login Number: 4224 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	

3/15/2023

Sample collection date/times are provided.

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

MS/MSDs

<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4224-1

SDG Number: 03E2057020

List Source: Eurofins Midland List Creation: 03/03/23 01:06 PM

Creator: Teel, Brianna

Login Number: 4224

List Number: 2

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	

True

True

True

True

True

True

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 3/22/2023 3:03:50 PM

JOB DESCRIPTION

EVGSAU 2801/ Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4289-1

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 3/22/2023 3:03:50 PM

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

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

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Client: Ensolum Laboratory Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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Definitions/Glossary

Job ID: 890-4289-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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.

F2 MS/MSD RPD exceeds control limits

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.
n	Listed under the "D" column to designate that the result is reported on a dry weight basi

%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**

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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

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

Method Detection Limit MDL 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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4289-1

SDG: 03E2057020

Job ID: 890-4289-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4289-1

Receipt

The samples were received on 3/10/2023 4:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS09 (890-4289-1), FS10 (890-4289-2), FS11 (890-4289-3), FS12 (890-4289-4), FS13 (890-4289-5), FS14 (890-4289-6) and FS15 (890-4289-7).

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 880-48612 and analytical batch 880-48564 was outside the upper control limits.

Method 8015MOD NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48612 and analytical batch 880-48564 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS09

Da Date Received: 03/10/23 16:07

Sample Depth: 4'

Client Sample ID: FS09	Lab Sample ID: 890-4289-1
ate Collected: 03/09/23 11:10	Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/17/23 16:23	03/21/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/17/23 16:23	03/21/23 19:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/17/23 16:23	03/21/23 19:24	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			03/22/23 15:38	1
• •				mg/Kg			03/22/23 15:38	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
: Method: SW846 8015 NM - Diese	el Range Organ Result		GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 75.5	ics (DRO) (Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result 75.5 sel Range Orga	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 75.5 sel Range Orga	Qualifier unics (DRO) Qualifier	GC) RL 50.0	Unit mg/Kg		<u> </u>	Analyzed 03/21/23 09:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result 75.5 sel Range Orga Result	Qualifier unics (DRO) Qualifier	GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 03:56	Dil Fac 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 75.5 sel Range Orga Result	Qualifier unics (DRO) Qualifier	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 03/21/23 09:53 Analyzed	Dil Fac 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 75.5 sel Range Orga Result 75.5	ics (DRO) (Qualifier unics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 03:56 03/15/23 03:56	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 75.5 sel Range Orga Result <50.0	ics (DRO) (Qualifier unics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 03:56	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result 75.5 sel Range Orga Result <50.0 75.5 <50.0 %Recovery	ics (DRO) (Qualifier unics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared	Analyzed 03/21/23 09:53 Analyzed 03/15/23 03:56 03/15/23 03:56 Analyzed	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 75.5 sel Range Orga Result <50.0 75.5 <50.0	ics (DRO) (Qualifier unics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 03:56 03/15/23 03:56 03/15/23 03:56	Dil Fac Dil Fac 1 1

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 24.9 mg/Kg 03/20/23 01:02 Chloride 1470 **Client Sample ID: FS10** Lab Sample ID: 890-4289-2

Date Collected: 03/09/23 11:15 Date Received: 03/10/23 16:07

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
Toluene	0.00566		0.00201	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
m-Xylene & p-Xylene	0.00589		0.00402	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
Xylenes, Total	0.00589		0.00402	mg/Kg		03/17/23 16:23	03/21/23 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			03/17/23 16:23	03/21/23 19:45	1

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4289-2

Client Sample Results

Client: Ensolum Job ID: 890-4289-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS10

Date Collected: 03/09/23 11:15 Date Received: 03/10/23 16:07

Sample Depth: 4'

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

Surrogate	%Recovery Quali	ifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102	70 - 130	03/17/23 16:23	03/21/23 19:45	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0116	0.00402	mg/Kg			03/22/23 15:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.8		50.0	mg/Kg			03/21/23 09:53	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/15/23 04:18	1
Diesel Range Organics (Over C10-C28)	91.8		50.0	mg/Kg		03/14/23 13:36	03/15/23 04:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/15/23 04:18	1
Curronata	9/ Bassyany	Qualifier	Limita			Droporod	Analyzad	Dil Ess

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95	70 - 130	03/14/23 13:36	03/15/23 04:18	1
o-Terphenyl	89	70 - 130	03/14/23 13:36	03/15/23 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		24.8	mg/Kg			03/20/23 01:07	5

Client Sample ID: FS11 Lab Sample ID: 890-4289-3

Date Collected: 03/09/23 11:20 Date Received: 03/10/23 16:07

Sample Depth: 4'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Modified. Offorto COLID Toldino	Organio Comp	ounas (oo	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/17/23 16:23	03/21/23 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/17/23 16:23	03/21/23 20:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130			03/17/23 16:23	03/21/23 20:06	1

Mothod: TAL SOP Total RTEY - Total RTEY Calculation	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/22/23 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4289-3

Job ID: 890-4289-1

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS11

Date Collected: 03/09/23 11:20 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 04:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 04:40	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/14/23 13:36	03/15/23 04:40	1
o-Terphenyl -	98		70 - 130			03/14/23 13:36	03/15/23 04:40	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Amaluta	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	rtoouit					•	•	

Client Sample ID: FS12 Lab Sample ID: 890-4289-4 Date Collected: 03/09/23 11:25 Matrix: Solid

Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/17/23 16:23	03/21/23 20:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			03/17/23 16:23	03/21/23 20:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/17/23 16:23	03/21/23 20:26	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			03/22/23 15:38	1
- -				mg/Kg			03/22/23 15:38	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					·
: Method: SW846 8015 NM - Diese	el Range Organ			mg/Kg	<u>D</u>	Prepared	03/22/23 15:38 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result 73.4	ics (DRO) ((Qualifier	RL 49.8	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 73.4 sel Range Orga	ics (DRO) ((Qualifier	RL 49.8	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 73.4 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)	Unit mg/Kg			Analyzed 03/21/23 09:53	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 73.4 sel Range Orga Result	Qualifier nics (DRO) Qualifier	(GC) RL (GC) RL	Unit mg/Kg		Prepared	Analyzed 03/21/23 09:53 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 73.4 sel Range Orga Result	Qualifier nics (DRO) Qualifier	(GC) RL (GC) RL	Unit mg/Kg		Prepared	Analyzed 03/21/23 09:53 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 C10-C28)	el Range Organ Result 73.4 sel Range Orga Result sel Range Orga Result <49.8 73.4	ics (DRO) ((Qualifier nics (DRO) Qualifier U	(GC) RL 49.8 (GC) RL 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 05:02 03/15/23 05:02	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 73.4 sel Range Orga Result <a blue;"="" color:="" href="mailto:result-style=">Result <49.8	ics (DRO) ((Qualifier nics (DRO) Qualifier U	(GC) RL 49.8 (GC) RL 49.8	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 05:02	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 73.4 sel Range Orga Result <49.8 73.4 <49.8 %Recovery	ics (DRO) ((Qualifier nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared	Analyzed 03/21/23 09:53 Analyzed 03/15/23 05:02 03/15/23 05:02	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 73.4 sel Range Orga Result <49.8 49.8	ics (DRO) ((Qualifier) nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 05:02 03/15/23 05:02	Dil Fac Dil Fac 1 1 1

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3/22/2023

Client Sample Results

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS12

Lab Sample ID: 890-4289-4

Date Collected: 03/09/23 11:25 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1790	25.0	mg/Kg			03/20/23 01:16	5

Client Sample ID: FS13 Lab Sample ID: 890-4289-5

Date Collected: 03/09/23 11:30 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/17/23 16:23	03/21/23 20:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/17/23 16:23	03/21/23 20:47	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/17/23 16:23	03/21/23 20:47	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/22/23 15:38	1
_								

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 05:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 05:24	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 05:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/14/23 13:36	03/15/23 05:24	1
o-Terphenyl	91		70 - 130			03/14/23 13:36	03/15/23 05:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	1510	25.2	mg/Kg			03/19/23 17:37	5		

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4289-6

Client Sample Results

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
Job ID: 890-4289-1
SDG: 03E2057020

Client Sample ID: FS14

Date Collected: 03/09/23 11:35 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/17/23 16:23	03/21/23 21:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/17/23 16:23	03/21/23 21:08	1
1,4-Difluorobenzene (Surr)	88		70 - 130			03/17/23 16:23	03/21/23 21:08	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			03/22/23 15:38	1
Method: SW846 8015 NM - Diese	al Pange Organ	ice (DRO) ((3C)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0		50.0	mg/Kg			03/21/23 09:53	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:39	03/17/23 03:56	1
Diesel Range Organics (Over C10-C28)	50.0		50.0	mg/Kg		03/14/23 13:39	03/17/23 03:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:39	03/17/23 03:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/14/23 13:39	03/17/23 03:56	1
o-Terphenyl	87		70 - 130			03/14/23 13:39	03/17/23 03:56	1
			_					
Method: EPA 300.0 - Anions, Ion	Chromatogran	idulos - ync	e					

Client Sample ID: FS15

Date Collected: 03/09/23 11:40 Date Received: 03/10/23 16:07

Sample Depth: 4'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/17/23 16:23	03/21/23 21:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/17/23 16:23	03/21/23 21:29	1

25.1

mg/Kg

1550

Eurofins Carlsbad

03/19/23 17:52

Lab Sample ID: 890-4289-7

Matrix: Solid

2

3

4

_

0

10

12

13

Client Sample Results

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS15 Lab Sample ID: 890-4289-7 Matrix: Solid

Date Collected: 03/09/23 11:40 Date Received: 03/10/23 16:07

4730

Sample Depth: 4'

Chloride

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130			03/17/23 16:23	03/21/23 21:29	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/22/23 15:38	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.3		49.9	mg/Kg			03/21/23 09:53	1
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/14/23 13:39	03/17/23 04:17	1
Diesel Range Organics (Over	80.3		49.9	mg/Kg		03/14/23 13:39	03/17/23 04:17	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:39	03/17/23 04:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			03/14/23 13:39	03/17/23 04:17	1
o-Terphenyl	78		70 - 130			03/14/23 13:39	03/17/23 04:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					

50.5

mg/Kg

03/19/23 17:56

Surrogate Summary

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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)	
890-4276-A-10-D MS	Matrix Spike	106	97	
890-4276-A-10-E MSD	Matrix Spike Duplicate	118	95	
890-4289-1	FS09	105	86	
890-4289-2	FS10	107	102	
890-4289-3	FS11	100	96	
890-4289-4	FS12	101	105	
890-4289-5	FS13	104	102	
890-4289-6	FS14	104	88	
890-4289-7	FS15	98	104	
LCS 880-48857/1-A	Lab Control Sample	99	101	
LCSD 880-48857/2-A	Lab Control Sample Dup	101	94	
	Method Blank	96	78	

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	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	. <u> </u>
90-4288-A-41-B MS	Matrix Spike	78	80	
90-4288-A-41-C MSD	Matrix Spike Duplicate	81	84	
90-4289-1	FS09	89	83	
90-4289-2	FS10	95	89	
90-4289-3	FS11	106	98	
90-4289-4	FS12	91	86	
90-4289-5	FS13	99	91	
90-4289-6	FS14	99	87	
90-4289-7	FS15	90	78	
90-4290-A-1-B MS	Matrix Spike	103	91	
90-4290-A-1-C MSD	Matrix Spike Duplicate	92	78	
CS 880-48612/2-A	Lab Control Sample	126	115	
CS 880-48613/2-A	Lab Control Sample	104	104	
CSD 880-48612/3-A	Lab Control Sample Dup	101	105	
CSD 880-48613/3-A	Lab Control Sample Dup	101	109	
B 880-48612/1-A	Method Blank	136 S1+	133 S1+	
B 880-48613/1-A	Method Blank	108	98	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48857/5-A

Lab Sample ID: LCS 880-48857/1-A

Matrix: Solid

Analysis Batch: 49106

Matrix: Solid

Analysis Batch: 49106

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48857

1

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 13:53	
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 13:53	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 13:53	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/17/23 16:23	03/21/23 13:53	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/17/23 16:23	03/21/23 13:53	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/17/23 16:23	03/21/23 13:53	

MB MB

MD MD

Surrogate	%Recovery Q	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	70 - 130	03/17/23 16:23	03/21/23 13:53	1
1,4-Difluorobenzene (Surr)	78	70 - 130	03/17/23 16:23	03/21/23 13:53	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48857

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09970 mg/Kg 100 70 - 130 Toluene 0.100 0.09729 mg/Kg 97 70 - 130 0.100 Ethylbenzene 0.09785 mg/Kg 98 70 - 130 99 0.200 0.1970 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.09809 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	99	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-48857/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 49106

Prep Type: Total/NA Prep Batch: 48857

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.09119 mg/Kg 91 70 - 130 9 35 Toluene 0.100 0.09262 mg/Kg 93 70 - 130 5 35 Ethylbenzene 0.100 0.09236 mg/Kg 92 70 - 130 6 35 0.1882 m-Xylene & p-Xylene 0.200 mg/Kg 94 70 - 130 35 0.100 0.09421 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-4276-A-10-D MS

Matrix: Solid

Analysis Batch: 49106

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

Prep Batch: 48857

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08050		mg/Kg	_	80	70 - 130	
Toluene	<0.00200	U	0.100	0.08331		mg/Kg		83	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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

Lab Sample ID: 890-4276-A-10-D MS

Lab Sample ID: 890-4276-A-10-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 49106

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48857

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.08221		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1756		mg/Kg		87	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08729		mg/Kg		87	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48857

Analysis Batch: 49106 Sample Sample Spike MSD MSD Result Qualifier Result Qualifier RPD Limit Analyte Added Unit %Rec Limits 0.0990 Benzene <0.00200 U 0.08018 mg/Kg 81 70 - 130 0 35 Toluene <0.00200 U 0.0990 0.09049 mg/Kg 91 70 - 130 8 35 Ethylbenzene <0.00200 U 0.0990 0.1028 mg/Kg 104 70 - 130 22 35 <0.00401 U 0.198 0.2090 70 - 130 35 m-Xylene & p-Xylene mg/Kg 106 17 0.0990 <0.00200 U 0.1043 70 - 130 o-Xylene mg/Kg 105 18

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-48612/1-A

Matrix: Solid

Analysis Batch: 48564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48612

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 20:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 20:14	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	03/14/23 13:3	03/14/23 20:14	1
o-Terphenyl	133	S1+	70 - 130	03/14/23 13:3	6 03/14/23 20:14	1

Lab Sample ID: LCS 880-48612/2-A

Matrix: Solid

Analysis Batch: 48564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48612

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	913.6		mg/Kg		91	70 - 130	 _
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1071		mg/Kg		107	70 - 130	
C10-C28)								

Job ID: 890-4289-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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

Lab Sample ID: LCS 880-48612/2-A

Matrix: Solid

Analysis Batch: 48564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48612

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 126 70 - 130 o-Terphenyl 115 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48612

Lab Sample ID: LCSD 880-48612/3-A **Matrix: Solid** Analysis Batch: 48564

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 951.1 95 70 - 13020 Gasoline Range Organics mg/Kg 4 (GRO)-C6-C10 Diesel Range Organics (Over 1000 974.5 97 mg/Kg 70 - 1309 20 C10-C28)

Lab Sample ID: 890-4290-A-1-B MS

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	105		70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48612

Sample Sample MS MS Spike Analyte Result Qualifier hahhA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 134 997 1123 mg/Kg 99 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 385 F1 997 1171 mg/Kg 79 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 48564

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

Lab Sample ID: 890-4290-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48564 Prep Batch: 48612 MSD MSD RPD %Rec

Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit 996 1001 87 Gasoline Range Organics 134 mg/Kg 70 - 130 12 20 (GRO)-C6-C10 Diesel Range Organics (Over 385 F1 996 994.3 F1 mg/Kg 61 70 - 130 16 20

C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 92 70 - 130 78 70 - 130 o-Terphenyl

Client: Ensolum

Job ID: 890-4289-1

SDG: 03E2057020

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

Lab Sample ID: MB 880-48613/1-A

Lab Sample ID: LCS 880-48613/2-A

Matrix: Solid

Analysis Batch: 48703

Project/Site: EVGSAU 2801/ Maverick

Analysis Batch: 48703

Matrix: Solid

MD MD

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

CP I	ypc. IotaiiiA	
Prep	Batch: 48613	

ı		IVID	IVID						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:39	03/16/23 20:06	1
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/23 13:39	03/16/23 20:06	1
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:39	03/16/23 20:06	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/14/23 13:39	03/16/23 20:06	1
o-Terphenyl	98		70 - 130	03/14/23 13:39	03/16/23 20:06	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48613

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	903.7		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130	

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48613

Analysis Batch: 48703

Matrix: Solid

Lab Sample ID: LCSD 880-48613/3-A

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1037		mg/Kg		104	70 - 130	14	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1108		mg/Kg		111	70 - 130	2	20
C10-C28)									

ICSD ICSD

	LUJD	LUSD			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	101		70 - 130		
o-Terphenvl	109		70 - 130		

Lab Sample ID: 890-4288-A-41-B MS Client Sample ID: Matrix Spike

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campic i=: ccc i=cc i: = :	•			
latrix: Solid				Prep Type: Total/NA
nalysis Batch: 48703				Prep Batch: 48613
	Comple Comple	Cnika	Me Me	0/ Bao

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U F2	998	816.0		mg/Kg		82	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	75.8		998	889.7		mg/Kg		82	70 - 130	
C10-C28)										

Prep Batch: 48613

Prep Type: Total/NA

Job ID: 890-4289-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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

Lab Sample ID: 890-4288-A-41-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 48703

MS	MS	
%Recovery	Qualifier	Limits
78		70 - 130
80		70 - 130

Lab Sample ID: 890-4288-A-41-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Surrogate 1-Chlorooctane o-Terphenyl

Analysis Batch: 48703									Prep	Batch:	48613
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	1076	F2	mg/Kg		108	70 - 130	27	20
Diesel Range Organics (Over C10-C28)	75.8		999	935.7		mg/Kg		86	70 - 130	5	20

MSD MSD Surrogate %Recovery Qualifier Limits 81 70 - 130 1-Chlorooctane 84 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48619/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49113

	IVID	IVID						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 l	U	5.00	ma/Ka			03/19/23 17:23	1

Lab Sample ID: LCS 880-48619/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49113

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	258.3		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-48619/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 49113

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	258.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-4289-5 MS **Client Sample ID: FS13**

Matrix: Solid

Analysis Batch: 49113

Analysis Baton: 40116	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1510		1260	2713		mg/Kg		96	90 - 110	

Eurofins Carlsbad

Prep Type: Soluble

Project/Site: EVGSAU 2801/ Maverick

Method: 300.0 - Anions, Ion Chromatography (Continued)

Client: Ensolum

Job ID: 890-4289-1

Client Sample ID: FS13

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

SDG: 03E2057020

Client Sample ID: Lab Control Sample Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 890-4289-5 MSD

Matrix: Solid

Analysis Batch: 49113

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1510		1260	2717		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-48620/1-A

Matrix: Solid

Analysis Batch: 49117

Result Qualifier Unit Analyte RL Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 03/19/23 22:51

Lab Sample ID: LCS 880-48620/2-A Matrix: Solid

Analysis Batch: 49117

	Sp	ike LCS	LCS			%Rec	
Analyte	Ad	led Result	t Qualifier Unit	D	%Rec	Limits	
Chloride		265.1	mg/K		106	90 - 110	

Lab Sample ID: LCSD 880-48620/3-A

Matrix: Solid

Analysis Batch: 49117

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	265.3		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-4288-A-41-E MS

Matrix: Solid

Analysis Batch: 49117

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chlarida	2270		1240	3503			_	106	00 110	

Lab Sample ID: 890-4288-A-41-F MSD

Matrix: Solid

Analysis Batch: 49117

Analysis Baton, 40111												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	2270		1240	3592		mg/Kg		107	90 - 110	0	20	

Client: Ensolum Job ID: 890-4289-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

GC VOA

Prep Batch: 48857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	5035	
890-4289-2	FS10	Total/NA	Solid	5035	
890-4289-3	FS11	Total/NA	Solid	5035	
890-4289-4	FS12	Total/NA	Solid	5035	
890-4289-5	FS13	Total/NA	Solid	5035	
890-4289-6	FS14	Total/NA	Solid	5035	
890-4289-7	FS15	Total/NA	Solid	5035	
MB 880-48857/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48857/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48857/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4276-A-10-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4276-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	8021B	48857
890-4289-2	FS10	Total/NA	Solid	8021B	48857
890-4289-3	FS11	Total/NA	Solid	8021B	48857
890-4289-4	FS12	Total/NA	Solid	8021B	48857
890-4289-5	FS13	Total/NA	Solid	8021B	48857
890-4289-6	FS14	Total/NA	Solid	8021B	48857
890-4289-7	FS15	Total/NA	Solid	8021B	48857
MB 880-48857/5-A	Method Blank	Total/NA	Solid	8021B	48857
LCS 880-48857/1-A	Lab Control Sample	Total/NA	Solid	8021B	48857
LCSD 880-48857/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48857
890-4276-A-10-D MS	Matrix Spike	Total/NA	Solid	8021B	48857
890-4276-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48857

Analysis Batch: 49220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	Total BTEX	
890-4289-2	FS10	Total/NA	Solid	Total BTEX	
890-4289-3	FS11	Total/NA	Solid	Total BTEX	
890-4289-4	FS12	Total/NA	Solid	Total BTEX	
890-4289-5	FS13	Total/NA	Solid	Total BTEX	
890-4289-6	FS14	Total/NA	Solid	Total BTEX	
890-4289-7	FS15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	8015B NM	48612
890-4289-2	FS10	Total/NA	Solid	8015B NM	48612
890-4289-3	FS11	Total/NA	Solid	8015B NM	48612
890-4289-4	FS12	Total/NA	Solid	8015B NM	48612
890-4289-5	FS13	Total/NA	Solid	8015B NM	48612
MB 880-48612/1-A	Method Blank	Total/NA	Solid	8015B NM	48612
LCS 880-48612/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48612
LCSD 880-48612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48612
890-4290-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	48612

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Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

GC Semi VOA (Continued)

Analysis Batch: 48564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48612

Prep Batch: 48612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	8015NM Prep	
890-4289-2	FS10	Total/NA	Solid	8015NM Prep	
890-4289-3	FS11	Total/NA	Solid	8015NM Prep	
890-4289-4	FS12	Total/NA	Solid	8015NM Prep	
890-4289-5	FS13	Total/NA	Solid	8015NM Prep	
MB 880-48612/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48612/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4290-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4290-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 48613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-6	FS14	Total/NA	Solid	8015NM Prep	
890-4289-7	FS15	Total/NA	Solid	8015NM Prep	
MB 880-48613/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48613/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4288-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4288-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-6	FS14	Total/NA	Solid	8015B NM	48613
890-4289-7	FS15	Total/NA	Solid	8015B NM	48613
MB 880-48613/1-A	Method Blank	Total/NA	Solid	8015B NM	48613
LCS 880-48613/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48613
LCSD 880-48613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48613
890-4288-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	48613
890-4288-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48613

Analysis Batch: 49094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Total/NA	Solid	8015 NM	
890-4289-2	FS10	Total/NA	Solid	8015 NM	
890-4289-3	FS11	Total/NA	Solid	8015 NM	
890-4289-4	FS12	Total/NA	Solid	8015 NM	
890-4289-5	FS13	Total/NA	Solid	8015 NM	
890-4289-6	FS14	Total/NA	Solid	8015 NM	
890-4289-7	FS15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-5	FS13	Soluble	Solid	DI Leach	
890-4289-6	FS14	Soluble	Solid	DI Leach	

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Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

HPLC/IC (Continued)

Leach Batch: 48619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-7	FS15	Soluble	Solid	DI Leach	
MB 880-48619/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48619/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48619/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4289-5 MS	FS13	Soluble	Solid	DI Leach	
890-4289-5 MSD	FS13	Soluble	Solid	DI Leach	

Leach Batch: 48620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Soluble	Solid	DI Leach	
890-4289-2	FS10	Soluble	Solid	DI Leach	
890-4289-3	FS11	Soluble	Solid	DI Leach	
890-4289-4	FS12	Soluble	Solid	DI Leach	
MB 880-48620/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48620/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48620/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4288-A-41-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4288-A-41-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 49113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-5	FS13	Soluble	Solid	300.0	48619
890-4289-6	FS14	Soluble	Solid	300.0	48619
890-4289-7	FS15	Soluble	Solid	300.0	48619
MB 880-48619/1-A	Method Blank	Soluble	Solid	300.0	48619
LCS 880-48619/2-A	Lab Control Sample	Soluble	Solid	300.0	48619
LCSD 880-48619/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48619
890-4289-5 MS	FS13	Soluble	Solid	300.0	48619
890-4289-5 MSD	FS13	Soluble	Solid	300.0	48619

Analysis Batch: 49117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4289-1	FS09	Soluble	Solid	300.0	48620
890-4289-2	FS10	Soluble	Solid	300.0	48620
890-4289-3	FS11	Soluble	Solid	300.0	48620
890-4289-4	FS12	Soluble	Solid	300.0	48620
MB 880-48620/1-A	Method Blank	Soluble	Solid	300.0	48620
LCS 880-48620/2-A	Lab Control Sample	Soluble	Solid	300.0	48620
LCSD 880-48620/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48620
890-4288-A-41-E MS	Matrix Spike	Soluble	Solid	300.0	48620
890-4288-A-41-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48620

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Client: Ensolum Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4289-1 SDG: 03E2057020

Client Sample ID: FS09 Lab Sample ID: 890-4289-1 Date Collected: 03/09/23 11:10

Matrix: Solid

Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 19:24	MNR	EET MIC
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MI
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MI
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48612	03/14/23 13:36	AJ	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 03:56	SM	EET MIC
Soluble	Leach	DI Leach			5.02 g	50 mL	48620	03/14/23 15:04	KS	EET MIC
Soluble	Analysis	300.0		5	50 mL	50 mL	49117	03/20/23 01:02	SMC	EET MI

Client Sample ID: FS10 Lab Sample ID: 890-4289-2

Date Collected: 03/09/23 11:15 Matrix: Solid

Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 04:18	SM	EET MIC
Soluble	Leach	DI Leach			5.05 g	50 mL	48620	03/14/23 15:04	KS	EET MIC
Soluble	Analysis	300.0		5	50 mL	50 mL	49117	03/20/23 01:07	SMC	EET MID

Client Sample ID: FS11 Lab Sample ID: 890-4289-3

Date Collected: 03/09/23 11:20 Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 04:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48620	03/14/23 15:04	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49117	03/20/23 01:11	SMC	EET MID

Client Sample ID: FS12 Lab Sample ID: 890-4289-4

Date Collected: 03/09/23 11:25 Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 20:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID

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Matrix: Solid

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Matrix: Solid

Client: Ensolum Job ID: 890-4289-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: FS12 Lab Sample ID: 890-4289-4

Date Collected: 03/09/23 11:25 Matrix: Solid Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 05:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48620	03/14/23 15:04	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49117	03/20/23 01:16	SMC	EET MID

Client Sample ID: FS13 Lab Sample ID: 890-4289-5 **Matrix: Solid**

Date Collected: 03/09/23 11:30 Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 05:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49113	03/19/23 17:37	SMC	EET MID

Client Sample ID: FS14 Lab Sample ID: 890-4289-6

Date Collected: 03/09/23 11:35 **Matrix: Solid** Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48613	03/14/23 13:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/17/23 03:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49113	03/19/23 17:52	SMC	EET MID

Client Sample ID: FS15 Lab Sample ID: 890-4289-7

Date Collected: 03/09/23 11:40 **Matrix: Solid** Date Received: 03/10/23 16:07

	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	48857	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49106	03/21/23 21:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48613	03/14/23 13:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/17/23 04:17	SM	EET MID

Lab Chronicle

Client: Ensolum Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS15 Lab Sample ID: 890-4289-7

Date Collected: 03/09/23 11:40 Matrix: Solid Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	49113	03/19/23 17:56	SMC	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: EVGSAU 2801/ Maverick
SDG: 03E2057020

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	' '	t the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

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Method Summary

Client: Ensolum

Job ID: 890-4289-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

DI Leach

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Deionized Water Leaching Procedure

Laboratory References:

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

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EET MID

ASTM

Sample Summary

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4289-1

SDG: 03E2057020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depti
890-4289-1	FS09	Solid	03/09/23 11:10	03/10/23 16:07	4'
890-4289-2	FS10	Solid	03/09/23 11:15	03/10/23 16:07	4'
890-4289-3	FS11	Solid	03/09/23 11:20	03/10/23 16:07	4'
890-4289-4	FS12	Solid	03/09/23 11:25	03/10/23 16:07	4'
890-4289-5	FS13	Solid	03/09/23 11:30	03/10/23 16:07	4'
890-4289-6	FS14	Solid	03/09/23 11:35	03/10/23 16:07	4'
890-4289-7	FS15	Solid	03/09/23 11:40	03/10/23 16:07	4'

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Environment Testing Xenco

Chain of Custody

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

Work Order No:	

																	www.xe	enco.com	Page _	of	 _
Project Manager:	Josh Adams Bill to: (if di			f different	different) Kalei Jennings					Work Order Comments											
Company Name:	Ensolum, LLC Company Name			ny Name	;	Ensolum, LLC					Program: UST/PST PRP rownfields RC uperfund					d 🗌					
Address:	3122 Nat'l Parks Highway			Address	3:		3122	Nat'l F	arks F	lighway				State of Project: NM							
City, State ZIP:	Carlsbad, NM 88220 City, Sta			ate ZIP:		Carlst	ad, N	M 882	20				Reporting: Level II Level III PST/UST TRRP Level IV					/ 🛭			
Phone:	303-517-84	37		Email	jadams	@enso	lum.co	om, ki	ennin	gs@e	nsolur	n.com	ifa	leomo	tagewern	(F)	neon	M ADaP	T Othe	er:	
Project Name:	IGUAGA	1)791	* may	TCK Tur	n Around	1							ANAL	SIS RE	QUEST				Prese	rvative Code:	s
Project Number:	METI	5707		Routine	Rusl		Pres.												None: NO	DI Water: H	I ₂ O
Project Location:	32.802	7 - 1 -		Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:		nna Falcor		TAT starts t									1	1 1	1	1		HCL: HC	HNO ₃ : HN		
PO #:				the lab, if re	he lab, if received by		8			THE REPORT OF THE PROPERTY OF			.1143/1444111		H ₂ S0 ₄ : H ₂	NaOH: Na					
SAMPLE RECE	IPT Ten	np Blank:	Yes No	Wet Ice:	(V)s		ete					H₃PO₄: HP									
Samples Received I	ntact: (%	No	Thermomet	er ID: Th	ma	7	Parameters								,11,111,11,111,111 () ()		NaHSO ₄ : NAE				
Cooler Custody Sea	is: Yes	No NA	Correction F	actor:	-0		P.							,10 (111) (101)		Na ₂ S ₂ O ₃ : NaS	O ₃				
Sample Custody Se	als: Yes	No WA	Temperatur	e Reading:	1.2				890-4	890-4289 Chain of Custody					Zn Acetate+NaOH: Zn						
Total Containers:			Corrected T	emperature:	1.0					i i	1			- 1			1 1		NaOH+Ascort	oic Acid: SAPC	
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех	PPH	CHLORIDES									Samp	le Comments	S
F509		5	39/23	11110	u	C	1	Ī											100	200110	
FS 10		15	3/9/23	1115	u	C													NAPP	122/67	510
F5 11		5	3/9/23	1120	4	C	1														
FS12		3	5923	1125	U	C															
F5 13		5	3923	1130	4	0			1												
FS 14		5	39/23	1/35	4'	C															
F5 15		5	3923	1140	LI	C	i														
FS1 (8)			1.1		`					1											
15/10																					
Total 200.7 / 6	010 200.8	/ 6020:		8RCRA 1	3PPM	Texas 1	1 Al	Sb A	s Ba	Ве	B Cd	Ca C	r Co	Cu Fe	Pb Mg Mr	n Mo Ni	K Se /	Ag SiO₂	Na Sr TI Si	U V Zn	

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

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 1100000000000000000000000000000000000	(lue Chy	3.10.23 1607	2		
3 / Walt	V		4		
			6		
					Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4289-1 SDG Number: 03E2057020

List Source: Eurofins Carlsbad

Login Number: 4289 List Number: 1

Creator: Stutzman, Amanda

Question Answer Comment

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromised or tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present

COC is filled out in ink and legible.

COC is filled out with all pertinent information

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate

HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested

MS/MSDs

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

Eurofins Carlsbad

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Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-4289-1

 SDG Number: 03E2057020

Login Number: 4289 List Source: Eurofins Carlsbad

List Number: 2

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.	True	
Sample bottles are completely filled.	N/A	Refer to job narrative
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4289-1 SDG Number: 03E2057020

> **List Source: Eurofins Midland** List Creation: 03/14/23 11:33 AM

List Number: 3 Creator: Rodriguez, Leticia

Login Number: 4289

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	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 3/22/2023 3:39:21 PM

JOB DESCRIPTION

EVGSAU 2801/ Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4290-1

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 3/22/2023 3:39:21 PM

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

Laboratory Job ID: 890-4290-1 Client: Ensolum Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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Definitions/Glossary

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier Description
MS and/or MSD recovery exceeds control limits.
Surrogate recovery exceeds control limits, high biased.
Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL

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

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

NC Not Calculated

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

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

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Job ID: 890-4290-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4290-1

Receipt

The samples were received on 3/10/2023 4:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS16 (890-4290-1), FS17 (890-4290-2), FS18 (890-4290-3), FS19 (890-4290-4), FS20 (890-4290-5), FS21 (890-4290-6), FS22 (890-4290-7), FS23 (890-4290-8), FS24 (890-4290-9), FS25 (890-4290-10), FS26 (890-4290-11), SW03 (890-4290-12), SW04 (890-4290-13), SW05 (890-4290-14) and SW06 (890-4290-15).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS16 (890-4290-1), FS17 (890-4290-2), FS19 (890-4290-4), FS22 (890-4290-7), FS24 (890-4290-9), FS25 (890-4290-10) and SW05 (890-4290-14). 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: The surrogate recovery for the blank associated with preparation batch 880-48612 and analytical batch 880-48564 was outside the upper control limits.

Method 8015MOD NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48612 and analytical batch 880-48564 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS16

Lab Sample ID: 890-4290-1 Date Collected: 03/10/23 11:00 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.167		0.0402	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
Toluene	<0.0402	U	0.0402	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
Ethylbenzene	0.678		0.0402	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
m-Xylene & p-Xylene	0.890		0.0805	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
o-Xylene	0.494		0.0402	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
Xylenes, Total	1.38		0.0805	mg/Kg		03/20/23 11:36	03/22/23 03:09	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			03/20/23 11:36	03/22/23 03:09	20
1,4-Difluorobenzene (Surr)	88		70 - 130			03/20/23 11:36	03/22/23 03:09	20
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.23		0.0805	mg/Kg			03/22/23 15:38	1
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
						•	Allalyzou	DII Fac
Total TPH	519		49.9	mg/Kg		·	03/21/23 09:53	
Total TPH : Method: SW846 8015B NM - Dies		nics (DRO)		mg/Kg		<u> </u>		1
	sel Range Orga	nics (DRO) Qualifier		mg/Kg		Prepared		
Method: SW846 8015B NM - Dies	sel Range Orga	. ,	(GC)		<u>D</u>	Prepared 03/14/23 13:36	03/21/23 09:53	1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	Qualifier	(GC)	Unit	<u>D</u>		03/21/23 09:53 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result 134	Qualifier F1	(GC) RL 49.9	<mark>Unit</mark> mg/Kg	<u>D</u>	03/14/23 13:36	03/21/23 09:53 Analyzed 03/14/23 21:19	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result 134 385	Qualifier F1	(GC) RL 49.9	unit mg/Kg mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36	03/21/23 09:53 Analyzed 03/14/23 21:19 03/14/23 21:19	Dil Fac
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 134 385 <49.9	Qualifier F1	(GC) RL 49.9 49.9 49.9	unit mg/Kg mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	03/21/23 09:53 Analyzed 03/14/23 21:19 03/14/23 21:19 03/14/23 21:19	Dil Face 1 1 1 Dil Face
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 134 385 <49.9 %Recovery	Qualifier F1	(GC) RL 49.9 49.9 49.9 Limits	unit mg/Kg mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared	03/21/23 09:53 Analyzed 03/14/23 21:19 03/14/23 21:19 03/14/23 21:19 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 134 385 <49.9	Qualifier F1 U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	unit mg/Kg mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	03/21/23 09:53 Analyzed 03/14/23 21:19 03/14/23 21:19 Analyzed 03/14/23 21:19	Dil Fac
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	sel Range Orga Result 134 385 <49.9 **Recovery 110 109 Chromatograp	Qualifier F1 U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	unit mg/Kg mg/Kg	D	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	03/21/23 09:53 Analyzed 03/14/23 21:19 03/14/23 21:19 Analyzed 03/14/23 21:19	Dil Fac

Client Sample ID: FS17 Lab Sample ID: 890-4290-2

Date Collected: 03/10/23 11:05 Date Received: 03/10/23 16:07

Released to Imaging: 7/14/2023 2:02:50 PM

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0404	U	0.0404	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
Toluene	<0.0404	U	0.0404	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
Ethylbenzene	<0.0404	U	0.0404	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
m-Xylene & p-Xylene	<0.0808	U	0.0808	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
o-Xylene	1.09		0.0404	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
Xylenes, Total	1.09		0.0808	mg/Kg		03/20/23 11:36	03/22/23 03:29	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			03/20/23 11:36	03/22/23 03:29	20

Eurofins Carlsbad

Client: Ensolum SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: FS17 Lab Sample ID: 890-4290-2

Date Collected: 03/10/23 11:05 **Matrix: Solid** Date Received: 03/10/23 16:07

Sample Depth: 4'

Surrogate		alifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88	70 - 130	03/20/23 11:36	03/22/23 03:29	20

Made at TAL COR Tatal RTEV Tatal RTEV Calculat	
	lion
Method: TAL SOP Total BTEX - Total BTEX Calcula	lion

Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.09	0.0808	mg/Kg			03/22/23 15:38	1

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

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.2		50.0	mg/Kg			03/21/23 09:53	1

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

	= 10001 1001 30 01 3011100 (= 110) (0 0)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 22:24	1
Diesel Range Organics (Over C10-C28)	51.2		50.0	mg/Kg		03/14/23 13:36	03/14/23 22:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 22:24	1
Surrogate	%Pacayany	Qualifier	l imite			Propared	Analyzod	Dil Eac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/14/23 13:36	03/14/23 22:24	1
o-Terphenyl	85		70 - 130	03/14/23 13:36	03/14/23 22:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	817	4.99	mg/Kg			03/19/23 18:06	1

Lab Sample ID: 890-4290-3 **Client Sample ID: FS18**

Date Collected: 03/10/23 11:10 Date Received: 03/10/23 16:07

Sample Depth: 4'

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

Welliou. Syvo46 6021B - Voial	nod. Swo46 6021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
Toluene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 00:45	1			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		70 - 130			03/20/23 11:36	03/22/23 00:45	1			

1,4-Difluorobenzene (Surr)	72	70 - 130	03/20/23 11:36	03/22/23 00:45
— Method: TAL SOP Total BTEX - Total BTE	X Calculation			

moundar masser rotal branch	Total Billy Guit	out at the terminal of the ter						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/22/23 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1

Eurofins Carlsbad

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS18 Lab Sample ID: 890-4290-3

Date Collected: 03/10/23 11:10 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/14/23 22:46	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/14/23 22:46	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/14/23 22:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			03/14/23 13:36	03/14/23 22:46	1
o-Terphenyl	105		70 - 130			03/14/23 13:36	03/14/23 22:46	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			5.00	mg/Kg			03/19/23 18:21	

Client Sample ID: FS19 Lab Sample ID: 890-4290-4 Matrix: Solid

Date Collected: 03/10/23 11:15 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/20/23 11:36	03/22/23 01:06	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			03/20/23 11:36	03/22/23 01:06	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			03/22/23 15:38	1
•				mg/Kg			03/22/23 15:38	1
Total BTEX : Method: SW846 8015 NM - Dies e	l Range Organ	ics (DRO) (03/22/23 15:38	
Method: SW846 8015 NM - Diese Analyte	Range Organ	ics (DRO) (GC)	mg/Kg	<u>D</u>	Prepared	03/22/23 15:38 Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <49.9	ics (DRO) (Qualifier	RL 49.9	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier	RL 49.9	Unit	D_	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Range Organ Result <49.9 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	Unit mg/Kg		<u> </u>	Analyzed 03/21/23 09:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Range Organ Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U u	RL 49.9 (GC)	Unit mg/Kg		Prepared	Analyzed 03/21/23 09:53 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Range Organ Result <49.9 Sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U u	GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/14/23 23:08	Dil Fac 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	Range Organ Result <49.9 Sel Range Orga Result <49.9	cics (DRO) (On Qualifier Unics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/14/23 23:08	Dil Fac 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)	Result sel Range Organ Result <49.9 Sel Range Organ Result <49.9	cics (DRO) (Control of the control o	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/14/23 23:08 03/14/23 23:08	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	cics (DRO) (Control of the control o	GC) RL 49.9 (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/14/23 23:08 03/14/23 23:08	Dil Fac Dil Fac 1

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3/22/2023

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS19 Lab Sample ID: 890-4290-4

Date Collected: 03/10/23 11:15 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315	5.00	mg/Kg			03/19/23 18:25	1

Client Sample ID: FS20 Lab Sample ID: 890-4290-5

Date Collected: 03/10/23 11:20

Date Received: 03/10/23 16:07 Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/20/23 11:36	03/22/23 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/20/23 11:36	03/22/23 01:26	1
1,4-Difluorobenzene (Surr)	73		70 - 130			03/20/23 11:36	03/22/23 01:26	1

Method: TAL SOP Total BTEX - Total	I BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/22/23 15:38	1

Method: SW846 8015 NM - Diesel Rar	nge Organi	ics (DRO) (G	C)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	323		49.8	mg/Kg			03/21/23 09:53	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		03/14/23 13:36	03/14/23 23:30	1
(GRO)-C6-C10								
Diesel Range Organics (Over	323		49.8	mg/Kg		03/14/23 13:36	03/14/23 23:30	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/14/23 13:36	03/14/23 23:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/14/23 13:36	03/14/23 23:30	1
o-Terphenyl	104		70 - 130			03/14/23 13:36	03/14/23 23:30	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Soluble)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3490	25.1	mg/Kg			03/19/23 18:30	5

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Matrix: Solid

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4290-1
SDG: 03E2057020

Client Sample ID: FS21 Lab Sample ID: 890-4290-6

Date Collected: 03/10/23 11:25
Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/20/23 11:36	03/22/23 01:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130			03/20/23 11:36	03/22/23 01:47	1
1,4-Difluorobenzene (Surr)	75		70 - 130			03/20/23 11:36	03/22/23 01:47	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/22/23 15:38	1
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/21/23 09:53	1
-								'
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					'
Method: SW846 8015B NM - Dies Analyte	• •	nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	•	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 03/14/23 13:36		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>	<u> </u>	Analyzed	Dil Fac
	Result <50.0	Qualifier U	RL 50.0	mg/Kg	<u>D</u>	03/14/23 13:36	Analyzed 03/14/23 23:52	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U U	FL 50.0 50.0	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36	Analyzed 03/14/23 23:52 03/14/23 23:52	Dil Fac
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	Qualifier U U U	FL 50.0 50.0 50.0	mg/Kg	<u> </u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/14/23 23:52 03/14/23 23:52 03/14/23 23:52	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U U	50.0 50.0 50.0 <i>Limits</i>	mg/Kg	<u> </u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared	Analyzed 03/14/23 23:52 03/14/23 23:52 03/14/23 23:52 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	Qualifier U U Qualifier	RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	Analyzed 03/14/23 23:52 03/14/23 23:52 03/14/23 23:52 Analyzed 03/14/23 23:52	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	Qualifier U U Qualifier	RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	Analyzed 03/14/23 23:52 03/14/23 23:52 03/14/23 23:52 Analyzed 03/14/23 23:52	

Client Sample ID: FS22 Lab Sample ID: 890-4290-7

Date Collected: 03/10/23 11:30 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/20/23 11:36	03/22/23 02:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/20/23 11:36	03/22/23 02:07	1

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Client: Ensolum

Job ID: 890-4290-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: FS22 Lab Sample ID: 890-4290-7

Date Collected: 03/10/23 11:30 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Method: SW846 8021B	- Volatile Organic	Compounds	(GC)	(Continued)	
Mothod: Offord COLID	Tolutile Organic	Compounds	100,	(Oontiniaca)	

Surrogate	%Recovery C	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	68 S	S1-	70 - 130	03/20/23 11:36	03/22/23 02:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	ma/Ka			03/22/23 15:38	1

1					
Mathadi	: SW846 8015 NM	Discal Bange	Organica		CC
i welliou.	IVIVI CI UO OHOVVE	- Diesei Kanue	Organics	וטאטו	1001

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8	ma/Ka			03/21/23 09:53	1	

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/14/23 13:36	03/15/23 00:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/14/23 13:36	03/15/23 00:14	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/14/23 13:36	03/15/23 00:14	1
0	0/ 5	0	1 : :			D	A I	D# 5

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109	70 - 130	03/14/23 13:36	03/15/23 00:14	1
o-Terphenyl	103	70 - 130	03/14/23 13:36	03/15/23 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780	25.0	mg/Kg			03/19/23 18:40	5

Client Sample ID: FS23 Lab Sample ID: 890-4290-8

Date Collected: 03/10/23 11:35 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/20/23 11:36	03/22/23 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/20/23 11:36	03/22/23 02:28	1
4 4 8 5 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			70 100			00/00/00 11 00	00/00/00 00 00	

1,4-Difluorobenzene (Surr)	77	70 - 130	03/20/23 11:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/22/23 15:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1

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Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS23 Lab Sample ID: 890-4290-8 Date Collected: 03/10/23 11:35

Matrix: Solid

Date Received: 03/10/23 16:07 Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 00:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 00:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			03/14/23 13:36	03/15/23 00:36	1
o-Terphenyl	89		70 - 130			03/14/23 13:36	03/15/23 00:36	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS24 Lab Sample ID: 890-4290-9

Date Collected: 03/10/23 13:40 Matrix: Solid

Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			03/20/23 11:36	03/22/23 02:48	1
1,4-Difluorobenzene (Surr)	70		70 - 130			03/20/23 11:36	03/22/23 02:48	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	11	0.00398	mg/Kg			03/22/23 15:38	
IOIAI DI EX	VO.00030	U	0.00590	mg/ixg			00/22/20 10.00	
• •				mg/rtg			00/22/20 10:00	•
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <49.9	ics (DRO) (Qualifier	RL 49.9	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier	RL 49.9	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 <49.9 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 49.9 (GC)	Unit mg/Kg			Analyzed 03/21/23 09:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result Result 49.9 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	Unit mg/Kg		Prepared	Analyzed 03/21/23 09:53 Analyzed	Dil Fac 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) ((Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 00:58	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result Result Result <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 00:58	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.9 sel Range Orga Result 49.9 49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 00:58 03/15/23 00:58	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 00:58 03/15/23 00:58	Dil Fac Dil Fac 1 1 1

Matrix: Solid

Job ID: 890-4290-1

Client: Ensolum SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: FS24 Lab Sample ID: 890-4290-9

Date Collected: 03/10/23 13:40 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.0		4.96	mg/Kg			03/19/23 18:59	1

Client Sample ID: FS25 Lab Sample ID: 890-4290-10

Date Collected: 03/10/23 13:45 Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:13	
Toluene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:13	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:13	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 05:13	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:13	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 05:13	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			03/20/23 11:36	03/22/23 05:13	
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130			03/20/23 11:36	03/22/23 05:13	
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398 GC)	mg/Kg			03/22/23 15:38	
Total BTEX Method: SW846 8015 NM - Diese	el Range Organ			mg/Kg Unit	D	Prepared	03/22/23 15:38 Analyzed	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0	ics (DRO) (Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Total BTEX 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	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fa
Total BTEX 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 Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	RL 50.0	Unit mg/Kg	_ =		Analyzed 03/21/23 09:53	Dil Fa
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg	_ =	Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 01:21	Dil Fa
Total BTEX 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	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL	Unit mg/Kg	_ =	Prepared	Analyzed 03/21/23 09:53 Analyzed	Dil Fa
Total BTEX 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	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg	_ =	Prepared 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 01:21	Dil Fa
Total BTEX 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	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 01:21 03/15/23 01:21	Dil Fa
Total BTEX 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 <50.0 <50.0 <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/21/23 09:53 Analyzed 03/15/23 01:21 03/15/23 01:21	Dil Fa

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Analyzed 03/19/23 19:04

RL

5.04

Unit

mg/Kg

D

Prepared

Result Qualifier

264

Dil Fac

Analyte

Chloride

Client Sample Results

Client: Ensolum Job ID: 890-4290-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: FS26

Lab Sample ID: 890-4290-11

Date Collected: 03/10/23 13:50

Matrix: Solid

Date Collected: 03/10/23 13:50
Date Received: 03/10/23 16:07

Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/20/23 11:36	03/22/23 05:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			03/20/23 11:36	03/22/23 05:34	1
1,4-Difluorobenzene (Surr)	78		70 - 130			03/20/23 11:36	03/22/23 05:34	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			03/22/23 15:38	1
Method: SW846 8015 NM - Diese	ol Banga Organ	ico (DBO) (CC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg			03/21/23 09:53	1
• •								
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:04	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:04	1
		Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Quanno						
Surrogate 1-Chlorooctane		Quamor	70 - 130			03/14/23 13:36	03/15/23 02:04	1
		quamer	70 - 130 70 - 130			03/14/23 13:36 03/14/23 13:36	03/15/23 02:04 03/15/23 02:04	1
1-Chlorooctane	96 89		70 - 130					1 1
1-Chlorooctane o-Terphenyl	96 89 Chromatograp		70 - 130	Unit	D			1 1 Dil Fac

Client Sample ID: SW03 Lab Sample ID: 890-4290-12

Date Collected: 03/10/23 13:55 Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/20/23 11:36	03/22/23 05:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			03/20/23 11:36	03/22/23 05:54	

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Matrix: Solid

Client: Ensolum

Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: SW03 Lab Sample ID: 890-4290-12

Date Collected: 03/10/23 13:55 Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Method: SW846 8021B	- Volatile Organic	Compounds ((GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	83	70 - 130	03/20/23 11:36	03/22/23 05:54	1

Method: TAI	SOP Total BTEX	- Total RTFY	Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	ma/Ka			03/22/23 15:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	ma/Ka			03/21/23 09:53	1	

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/15/23 02:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/15/23 02:27	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/15/23 02:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107	70 - 130	03/14/23 13:30	03/15/23 02:27	1
o-Terphenyl	101	70 - 130	03/14/23 13:36	03/15/23 02:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		5.03	mg/Kg			03/19/23 19:23	1

Client Sample ID: SW04 Lab Sample ID: 890-4290-13

Date Collected: 03/10/23 14:00 Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Markland, CIMO 40 00	21B - Volatile Organic	O
IVIATOON' SVVXAN XII	21B - Volatile Circanic	L.Omnollings (Lat.)

momous official social	no organio comp	ounus (SS)	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/20/23 11:36	03/22/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			03/20/23 11:36	03/22/23 06:15	1
1 4 Diffuorabanzana (Surr)	92		70 120			02/20/22 11:26	02/22/22 06:15	1

4-Bromofluorobenzene (Surr)	82	70 - 130	03/20/23 11:36	03/22/23 06:15	1
1,4-Difluorobenzene (Surr)	82	70 - 130	03/20/23 11:36	03/22/23 06:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			03/22/23 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1

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Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: SW04 Lab Sample ID: 890-4290-13

Date Collected: 03/10/23 14:00 Matrix: Solid Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:49	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:49	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 02:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/14/23 13:36	03/15/23 02:49	1
o-Terphenyl	97		70 - 130			03/14/23 13:36	03/15/23 02:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			5.01	mg/Kg			03/19/23 19:28	

Client Sample ID: SW05 Lab Sample ID: 890-4290-14 Matrix: Solid

Date Collected: 03/10/23 14:05

Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/20/23 11:36	03/22/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			03/20/23 11:36	03/22/23 06:35	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			03/20/23 11:36	03/22/23 06:35	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/22/23 15:38	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/21/23 09:53	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 03:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 03:11	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/23 13:36	03/15/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			03/14/23 13:36	03/15/23 03:11	1

Client: Ensolum Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Client Sample ID: SW05 Lab Sample ID: 890-4290-14 Date Collected: 03/10/23 14:05

Matrix: Solid

Date Received: 03/10/23 16:07 Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		4.97	mg/Kg			03/19/23 19:33	1

Client Sample ID: SW06 Lab Sample ID: 890-4290-15

Date Collected: 03/10/23 14:10 Matrix: Solid

Date Received: 03/10/23 16:07

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 06:56	
Toluene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 06:56	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 06:56	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/20/23 11:36	03/22/23 06:56	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/20/23 11:36	03/22/23 06:56	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/20/23 11:36	03/22/23 06:56	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	82		70 - 130			03/20/23 11:36	03/22/23 06:56	
1,4-Difluorobenzene (Surr)	85		70 - 130			03/20/23 11:36	03/22/23 06:56	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/22/23 15:38	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			03/21/23 09:53	-
-							03/21/23 09.55	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)				03/2 1/23 03.33	
Method: SW846 8015B NM - Dies Analyte	• •	nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Gasoline Range Organics	• •	Qualifier	• •	Unit mg/Kg	<u>D</u>	Prepared 03/14/23 13:36		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>	<u>.</u>	Analyzed	Dil Fa
Analyte	Result <50.0	Qualifier U	RL 50.0	mg/Kg	<u> </u>	03/14/23 13:36	Analyzed 03/15/23 03:34	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U U	FL 50.0	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36	Analyzed 03/15/23 03:34 03/15/23 03:34	Dil Fa
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	Qualifier U U U	FL 50.0 50.0 50.0	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36	Analyzed 03/15/23 03:34 03/15/23 03:34 03/15/23 03:34	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U U	50.0 50.0 50.0 Limits	mg/Kg	<u> </u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared	Analyzed 03/15/23 03:34 03/15/23 03:34 03/15/23 03:34 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	Analyzed 03/15/23 03:34 03/15/23 03:34 03/15/23 03:34 Analyzed 03/15/23 03:34	Dil Fa
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	Qualifier U U Qualifier	RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	03/14/23 13:36 03/14/23 13:36 03/14/23 13:36 Prepared 03/14/23 13:36	Analyzed 03/15/23 03:34 03/15/23 03:34 03/15/23 03:34 Analyzed 03/15/23 03:34	Dil Fa

Surrogate Summary

Client: Ensolum Job ID: 890-4290-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-4290-1	FS16	169 S1+	88	
390-4290-2	FS17	133 S1+	88	
390-4290-3	FS18	95	72	
390-4290-3 MS	FS18	128	94	
390-4290-3 MSD	FS18	124	93	
390-4290-4	FS19	97	67 S1-	
390-4290-5	FS20	98	73	
390-4290-6	FS21	83	75	
390-4290-7	FS22	100	68 S1-	
390-4290-8	FS23	97	77	
390-4290-9	FS24	96	70	
390-4290-10	FS25	89	68 S1-	
390-4290-11	FS26	84	78	
390-4290-12	SW03	82	83	
90-4290-13	SW04	82	82	
390-4290-14	SW05	96	69 S1-	
390-4290-15	SW06	82	85	
CS 880-48984/1-A	Lab Control Sample	121	102	
CSD 880-48984/2-A	Lab Control Sample Dup	119	90	
MB 880-48984/5-A	Method Blank	75	82	
MB 880-49091/5-A	Method Blank	72	75	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (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)
890-4290-1	FS16	110	109
890-4290-1 MS	FS16	103	91
890-4290-1 MSD	FS16	92	78
890-4290-2	FS17	90	85
890-4290-3	FS18	108	105
890-4290-4	FS19	107	105
890-4290-5	FS20	106	104
890-4290-6	FS21	106	102
890-4290-7	FS22	109	103
890-4290-8	FS23	96	89
890-4290-9	FS24	90	82
890-4290-10	FS25	105	97
890-4290-11	FS26	96	89
890-4290-12	SW03	107	101
890-4290-13	SW04	103	97
890-4290-14	SW05	94	89
890-4290-15	SW06	89	88
LCS 880-48612/2-A	Lab Control Sample	126	115

OTPH = o-Terphenyl

Surrogate Summary

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCSD 880-48612/3-A	Lab Control Sample Dup	101	105	
MB 880-48612/1-A	Method Blank	136 S1+	133 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				

6

8

10

11

13

14

Client: Ensolum Job ID: 890-4290-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48984/5-A

Matrix: Solid Analysis Batch: 49077 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48984

	MB	MB					
Analyte	Result	Qualifier	RL	Unit D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	03/20/23 11:36	03/22/23 00:23	1
Toluene	<0.00200	U	0.00200	mg/Kg	03/20/23 11:36	03/22/23 00:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	03/20/23 11:36	03/22/23 00:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	03/20/23 11:36	03/22/23 00:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	03/20/23 11:36	03/22/23 00:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	03/20/23 11:36	03/22/23 00:23	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	75		70 - 130	_	03/20/23 11:36	03/22/23 00:23	1
ı	1,4-Difluorobenzene (Surr)	82		70 - 130		03/20/23 11:36	03/22/23 00:23	1

Lab Sample ID: LCS 880-48984/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 49077

Prep Type: Total/NA

Prep Batch: 48984

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09595		mg/Kg		96	70 - 130	
Toluene	0.100	0.09660		mg/Kg		97	70 - 130	
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2320		mg/Kg		116	70 - 130	
o-Xylene	0.100	0.1173		mg/Kg		117	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-48984/2-A

Matrix: Solid

Analysis Batch: 49077

Prep Type: Total/NA Prep Batch: 48984

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09375		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.09803		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2387		mg/Kg		119	70 - 130	3	35
o-Xylene	0.100	0.1192		mg/Kg		119	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-4290-3 MS

Matrix: Solid

Analysis Batch: 49077

Client Sample ID: FS18 Prep Type: Total/NA

Prep Batch: 48984

MS MS Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec <0.00199 U 0.101 73 70 - 130 Benzene 0.07354 mg/Kg Toluene <0.00199 U 0.101 0.07910 mg/Kg 78 70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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

Lab Sample ID: 890-4290-3 MS **Matrix: Solid**

Analysis Batch: 49077

Client Sample ID: FS18 Prep Type: Total/NA

Prep Batch: 48984

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00199 U 0.101 0.09230 92 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.202 0.1982 mg/Kg 98 70 - 130 <0.00199 U 0.101 0.09868 97 o-Xylene mg/Kg 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Client Sample ID: FS18

Prep Type: Total/NA

Prep Batch: 48984

Lab Sample ID: 890-4290-3 MSD **Matrix: Solid**

Analysis Batch: 49077

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.07219		mg/Kg		72	70 - 130	2	35
Toluene	<0.00199	U	0.0996	0.08061		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0996	0.09368		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1996		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.00199	U	0.0996	0.09918		mg/Kg		99	70 - 130	1	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Lab Sample ID: MB 880-49091/5-A

Matrix: Solid

Analysis Batch: 49077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49091

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/21/23 09:28	03/21/23 12:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/21/23 09:28	03/21/23 12:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	03/21/23 09:28	03/21/23 12:45	1
1,4-Difluorobenzene (Surr)	75		70 - 130	03/21/23 09:28	03/21/23 12:45	1

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

Lab Sample ID: MB 880-48612/1-A

Matrix: Solid

Analysis Batch: 48564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48612

мв мв Result Qualifier RL Unit Prepared Gasoline Range Organics <50.0 U 50.0 mg/Kg 03/14/23 13:36 03/14/23 20:14

(GRO)-C6-C10

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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

Lab Sample ID: MB 880-48612/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48564 Prep Batch: 48612 MR MR

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 20:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/23 13:36	03/14/23 20:14	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130			03/14/23 13:36	03/14/23 20:14	1
o-Terphenyl	133	S1+	70 - 130			03/14/23 13:36	03/14/23 20:14	1

Lab Sample ID: LCS 880-48612/2-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Analysis Batch: 48564 Prep Batch: 48612 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 913.6 91 70 - 130 mg/Kg (GRO)-C6-C10 1000 1071 107 Diesel Range Organics (Over mg/Kg 70 - 130 C10-C28) LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 126 o-Terphenyl 115 70 - 130

Lab Sample ID: LCSD 880-48612/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48564 Prep Batch: 48612 Spike LCSD LCSD %Rec RPD

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	951.1		mg/Kg		95	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	974.5		mg/Kg		97	70 - 130	9	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 _ 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-4290-1 MS **Client Sample ID: FS16 Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48564 Prep Batch: 48612

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	134		997	1123		mg/Kg		99	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	385	F1	997	1171		mg/Kg		79	70 - 130	
C10-C28)										

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

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

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

MSD MSD

Lab Sample ID: 890-4290-1 MSD **Client Sample ID: FS16 Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48564									Prep	Batch:	48612
	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	134		996	1001		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over	385	F1	996	994.3	F1	mg/Kg		61	70 - 130	16	20

C10-C28)

	III O D		
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	78		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48619/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49113

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	ma/Ka			03/19/23 17:23	1

Lab Sample ID: LCS 880-48619/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble Matrix: Solid**

Analysis Batch: 49113

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	258.3		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-48619/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49113

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

250

Lab Sample ID: 890-4290-8 MS **Client Sample ID: FS23 Matrix: Solid Prep Type: Soluble**

258.7

mg/Kg

Analysis Batch: 49113

Chloride

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Chloride 90 - 110 249 104 745 1003 mg/Kg

Lab Sample ID: 890-4290-8 MSD **Client Sample ID: FS23**

Matrix: Solid

Analysis Batch: 49113

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	745		249	1005		mg/Kg		104	90 - 110	0	20

Eurofins Carlsbad

Prep Type: Soluble

103

90 - 110

0

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

GC VOA

Prep Batch: 48984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Total/NA	Solid	5035	_
890-4290-2	FS17	Total/NA	Solid	5035	
890-4290-3	FS18	Total/NA	Solid	5035	
890-4290-4	FS19	Total/NA	Solid	5035	
890-4290-5	FS20	Total/NA	Solid	5035	
890-4290-6	FS21	Total/NA	Solid	5035	
890-4290-7	FS22	Total/NA	Solid	5035	
890-4290-8	FS23	Total/NA	Solid	5035	
890-4290-9	FS24	Total/NA	Solid	5035	
890-4290-10	FS25	Total/NA	Solid	5035	
890-4290-11	FS26	Total/NA	Solid	5035	
890-4290-12	SW03	Total/NA	Solid	5035	
890-4290-13	SW04	Total/NA	Solid	5035	
890-4290-14	SW05	Total/NA	Solid	5035	
890-4290-15	SW06	Total/NA	Solid	5035	
MB 880-48984/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48984/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48984/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4290-3 MS	FS18	Total/NA	Solid	5035	
890-4290-3 MSD	FS18	Total/NA	Solid	5035	

Analysis Batch: 49077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Total/NA	Solid	8021B	48984
890-4290-2	FS17	Total/NA	Solid	8021B	48984
890-4290-3	FS18	Total/NA	Solid	8021B	48984
890-4290-4	FS19	Total/NA	Solid	8021B	48984
890-4290-5	FS20	Total/NA	Solid	8021B	48984
890-4290-6	FS21	Total/NA	Solid	8021B	48984
890-4290-7	FS22	Total/NA	Solid	8021B	48984
890-4290-8	FS23	Total/NA	Solid	8021B	48984
890-4290-9	FS24	Total/NA	Solid	8021B	48984
890-4290-10	FS25	Total/NA	Solid	8021B	48984
890-4290-11	FS26	Total/NA	Solid	8021B	48984
890-4290-12	SW03	Total/NA	Solid	8021B	48984
890-4290-13	SW04	Total/NA	Solid	8021B	48984
890-4290-14	SW05	Total/NA	Solid	8021B	48984
890-4290-15	SW06	Total/NA	Solid	8021B	48984
MB 880-48984/5-A	Method Blank	Total/NA	Solid	8021B	48984
MB 880-49091/5-A	Method Blank	Total/NA	Solid	8021B	4909
LCS 880-48984/1-A	Lab Control Sample	Total/NA	Solid	8021B	48984
LCSD 880-48984/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48984
890-4290-3 MS	FS18	Total/NA	Solid	8021B	48984
890-4290-3 MSD	FS18	Total/NA	Solid	8021B	48984

Prep Batch: 49091

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49091/5-A	Method Blank	Total/NA	Solid	5035	

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

GC VOA

Analysis Batch: 49220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Total/NA	Solid	Total BTEX	
890-4290-2	FS17	Total/NA	Solid	Total BTEX	
890-4290-3	FS18	Total/NA	Solid	Total BTEX	
890-4290-4	FS19	Total/NA	Solid	Total BTEX	
890-4290-5	FS20	Total/NA	Solid	Total BTEX	
890-4290-6	FS21	Total/NA	Solid	Total BTEX	
890-4290-7	FS22	Total/NA	Solid	Total BTEX	
890-4290-8	FS23	Total/NA	Solid	Total BTEX	
890-4290-9	FS24	Total/NA	Solid	Total BTEX	
890-4290-10	FS25	Total/NA	Solid	Total BTEX	
890-4290-11	FS26	Total/NA	Solid	Total BTEX	
890-4290-12	SW03	Total/NA	Solid	Total BTEX	
890-4290-13	SW04	Total/NA	Solid	Total BTEX	
890-4290-14	SW05	Total/NA	Solid	Total BTEX	
890-4290-15	SW06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Total/NA	Solid	8015B NM	48612
890-4290-2	FS17	Total/NA	Solid	8015B NM	48612
890-4290-3	FS18	Total/NA	Solid	8015B NM	48612
890-4290-4	FS19	Total/NA	Solid	8015B NM	48612
890-4290-5	FS20	Total/NA	Solid	8015B NM	48612
890-4290-6	FS21	Total/NA	Solid	8015B NM	48612
890-4290-7	FS22	Total/NA	Solid	8015B NM	48612
890-4290-8	FS23	Total/NA	Solid	8015B NM	48612
890-4290-9	FS24	Total/NA	Solid	8015B NM	48612
890-4290-10	FS25	Total/NA	Solid	8015B NM	48612
890-4290-11	FS26	Total/NA	Solid	8015B NM	48612
890-4290-12	SW03	Total/NA	Solid	8015B NM	48612
890-4290-13	SW04	Total/NA	Solid	8015B NM	48612
890-4290-14	SW05	Total/NA	Solid	8015B NM	48612
890-4290-15	SW06	Total/NA	Solid	8015B NM	48612
MB 880-48612/1-A	Method Blank	Total/NA	Solid	8015B NM	48612
LCS 880-48612/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48612
LCSD 880-48612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48612
890-4290-1 MS	FS16	Total/NA	Solid	8015B NM	48612
890-4290-1 MSD	FS16	Total/NA	Solid	8015B NM	48612

Prep Batch: 48612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Total/NA	Solid	8015NM Prep	
890-4290-2	FS17	Total/NA	Solid	8015NM Prep	
890-4290-3	FS18	Total/NA	Solid	8015NM Prep	
890-4290-4	FS19	Total/NA	Solid	8015NM Prep	
890-4290-5	FS20	Total/NA	Solid	8015NM Prep	
890-4290-6	FS21	Total/NA	Solid	8015NM Prep	
890-4290-7	FS22	Total/NA	Solid	8015NM Prep	
890-4290-8	FS23	Total/NA	Solid	8015NM Prep	

Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

GC Semi VOA (Continued)

Prep Batch: 48612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-9	FS24	Total/NA	Solid	8015NM Prep	
890-4290-10	FS25	Total/NA	Solid	8015NM Prep	
890-4290-11	FS26	Total/NA	Solid	8015NM Prep	
890-4290-12	SW03	Total/NA	Solid	8015NM Prep	
890-4290-13	SW04	Total/NA	Solid	8015NM Prep	
890-4290-14	SW05	Total/NA	Solid	8015NM Prep	
890-4290-15	SW06	Total/NA	Solid	8015NM Prep	
MB 880-48612/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48612/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4290-1 MS	FS16	Total/NA	Solid	8015NM Prep	
890-4290-1 MSD	FS16	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4290-1	FS16	Total/NA	Solid	8015 NM	_
890-4290-2	FS17	Total/NA	Solid	8015 NM	
890-4290-3	FS18	Total/NA	Solid	8015 NM	
890-4290-4	FS19	Total/NA	Solid	8015 NM	
890-4290-5	FS20	Total/NA	Solid	8015 NM	
890-4290-6	FS21	Total/NA	Solid	8015 NM	
890-4290-7	FS22	Total/NA	Solid	8015 NM	
890-4290-8	FS23	Total/NA	Solid	8015 NM	
890-4290-9	FS24	Total/NA	Solid	8015 NM	
890-4290-10	FS25	Total/NA	Solid	8015 NM	
890-4290-11	FS26	Total/NA	Solid	8015 NM	
890-4290-12	SW03	Total/NA	Solid	8015 NM	
890-4290-13	SW04	Total/NA	Solid	8015 NM	
890-4290-14	SW05	Total/NA	Solid	8015 NM	
890-4290-15	SW06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Soluble	Solid	DI Leach	_
890-4290-2	FS17	Soluble	Solid	DI Leach	
890-4290-3	FS18	Soluble	Solid	DI Leach	
890-4290-4	FS19	Soluble	Solid	DI Leach	
890-4290-5	FS20	Soluble	Solid	DI Leach	
890-4290-6	FS21	Soluble	Solid	DI Leach	
890-4290-7	FS22	Soluble	Solid	DI Leach	
890-4290-8	FS23	Soluble	Solid	DI Leach	
890-4290-9	FS24	Soluble	Solid	DI Leach	
890-4290-10	FS25	Soluble	Solid	DI Leach	
890-4290-11	FS26	Soluble	Solid	DI Leach	
890-4290-12	SW03	Soluble	Solid	DI Leach	
890-4290-13	SW04	Soluble	Solid	DI Leach	
890-4290-14	SW05	Soluble	Solid	DI Leach	
890-4290-15	SW06	Soluble	Solid	DI Leach	
MB 880-48619/1-A	Method Blank	Soluble	Solid	DI Leach	

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Client: Ensolum
Project/Site: EVGSAU 2801/ Maverick
SDG: 03E2057020

HPLC/IC (Continued)

Leach Batch: 48619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-48619/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48619/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4290-8 MS	FS23	Soluble	Solid	DI Leach	
890-4290-8 MSD	FS23	Soluble	Solid	DI Leach	

Analysis Batch: 49113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4290-1	FS16	Soluble	Solid	300.0	48619
890-4290-2	FS17	Soluble	Solid	300.0	48619
890-4290-3	FS18	Soluble	Solid	300.0	48619
890-4290-4	FS19	Soluble	Solid	300.0	48619
890-4290-5	FS20	Soluble	Solid	300.0	48619
890-4290-6	FS21	Soluble	Solid	300.0	48619
890-4290-7	FS22	Soluble	Solid	300.0	48619
890-4290-8	FS23	Soluble	Solid	300.0	48619
890-4290-9	FS24	Soluble	Solid	300.0	48619
890-4290-10	FS25	Soluble	Solid	300.0	48619
890-4290-11	FS26	Soluble	Solid	300.0	48619
890-4290-12	SW03	Soluble	Solid	300.0	48619
890-4290-13	SW04	Soluble	Solid	300.0	48619
890-4290-14	SW05	Soluble	Solid	300.0	48619
890-4290-15	SW06	Soluble	Solid	300.0	48619
MB 880-48619/1-A	Method Blank	Soluble	Solid	300.0	48619
LCS 880-48619/2-A	Lab Control Sample	Soluble	Solid	300.0	48619
LCSD 880-48619/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48619
890-4290-8 MS	FS23	Soluble	Solid	300.0	48619
890-4290-8 MSD	FS23	Soluble	Solid	300.0	48619

Job ID: 890-4290-1 SDG: 03E2057020

Client Sample ID: FS16

Date Collected: 03/10/23 11:00 Date Received: 03/10/23 16:07 Lab Sample ID: 890-4290-1

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			4.97 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	49077	03/22/23 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 21:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49113	03/19/23 18:01	SMC	EET MID

Client Sample ID: FS17 Lab Sample ID: 890-4290-2

Date Collected: 03/10/23 11:05 Date Received: 03/10/23 16:07

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			4.95 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	49077	03/22/23 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 22:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:06	SMC	EET MID

Client Sample ID: FS18 Lab Sample ID: 890-4290-3 Date Collected: 03/10/23 11:10

Date Received: 03/10/23 16:07

Matrix: Solid

	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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 22:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:21	SMC	EET MID

Client Sample ID: FS19 Lab Sample ID: 890-4290-4

Date Collected: 03/10/23 11:15 Date Received: 03/10/23 16:07

Released to Imaging: 7/14/2023 2:02:50 PM

	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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID

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Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4290-1 SDG: 03E2057020

Lab Sample ID: 890-4290-4

Matrix: Solid

Date Collected: 03/10/23 11:15 Date Received: 03/10/23 16:07

Client Sample ID: FS19

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 23:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:25	SMC	EET MID

Client Sample ID: FS20 Lab Sample ID: 890-4290-5

Date Collected: 03/10/23 11:20 **Matrix: Solid**

Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 23:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49113	03/19/23 18:30	SMC	EET MID

Client Sample ID: FS21 Lab Sample ID: 890-4290-6

Date Collected: 03/10/23 11:25 Date Received: 03/10/23 16:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/14/23 23:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:35	SMC	EET MID

Client Sample ID: FS22 Lab Sample ID: 890-4290-7

Date Collected: 03/10/23 11:30 Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	48612 48564	03/14/23 13:36 03/15/23 00:14	AJ SM	EET MID EET MID

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Matrix: Solid

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4290-1 SDG: 03E2057020

Client Sample ID: FS22

Date Collected: 03/10/23 11:30 Date Received: 03/10/23 16:07

Lab Sample ID: 890-4290-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49113	03/19/23 18:40	SMC	EET MID

Client Sample ID: FS23 Lab Sample ID: 890-4290-8

Date Collected: 03/10/23 11:35 Date Received: 03/10/23 16:07

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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:45	SMC	EET MID

Client Sample ID: FS24 Lab Sample ID: 890-4290-9

Date Collected: 03/10/23 13:40

Matrix: Solid

Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 18:59	SMC	EET MID

Client Sample ID: FS25 Lab Sample ID: 890-4290-10

Date Collected: 03/10/23 13:45 Date Received: 03/10/23 16:07

	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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 19:04	SMC	EET MID

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Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4290-1

SDG: 03E2057020

Client Sample ID: FS26

Client: Ensolum

Date Collected: 03/10/23 13:50 Date Received: 03/10/23 16:07 Lab Sample ID: 890-4290-11

Matrix: Solid

	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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 02:04	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 19:19	SMC	EET MID

Lab Sample ID: 890-4290-12

Matrix: Solid

Date Collected: 03/10/23 13:55 Date Received: 03/10/23 16:07

Client Sample ID: SW03

	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	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 02:27	SM	EET MIC
Soluble	Leach	DI Leach			4.97 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 19:23	SMC	EET MID

Client Sample ID: SW04

Date Collected: 03/10/23 14:00 Date Received: 03/10/23 16:07

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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 02:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 19:28	SMC	EET MID

Client Sample ID: SW05

Date Collected: 03/10/23 14:05 Date Received: 03/10/23 16:07

Lab Sample ID: 890-4290-14 **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			4.95 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 06:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID

Eurofins Carlsbad

Matrix: Solid

Client: Ensolum

Job ID: 890-4290-1 SDG: 03E2057020 Project/Site: EVGSAU 2801/ Maverick

Client Sample ID: SW05 Lab Sample ID: 890-4290-14

Date Collected: 03/10/23 14:05 Matrix: Solid Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 03:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48619	03/14/23 15:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49113	03/19/23 19:33	SMC	EET MID

Client Sample ID: SW06 Lab Sample ID: 890-4290-15

Date Collected: 03/10/23 14:10 **Matrix: Solid** Date Received: 03/10/23 16:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48984	03/20/23 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49077	03/22/23 06:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49220	03/22/23 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49094	03/21/23 09:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48612	03/14/23 13:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48564	03/15/23 03:34	SM	EET MID

5.01 g

50 mL

50 mL

50 mL

48619

49113

03/14/23 15:02

03/19/23 19:38

KS

SMC

Laboratory References:

Leach

Analysis

Soluble

Soluble

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

DI Leach

300.0

Eurofins Carlsbad

EET MID

EET MID

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-4290-1
Project/Site: EVGSAU 2801/ Maverick SDG: 03E2057020

Laboratory: Eurofins Midland

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

Authority Texas		ogram	Identification Number	Expiration Date 06-30-23	
		ELAP	T104704400-22-25		
The following analytes	are included in this report by		and the state of the second control of the s		
the agency does not of	• '	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for	
,	• '	Matrix	ed by the governing authority. This list ma	ay include analytes for	
the agency does not of	fer certification.	•	, , ,	ay include analytes for	

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Method Summary

Client: Ensolum Job ID: 890-4290-1 Project/Site: EVGSAU 2801/ Maverick

SDG: 03E2057020

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: EVGSAU 2801/ Maverick

Job ID: 890-4290-1

SDG: 03E2057020	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4290-1	FS16	Solid	03/10/23 11:00	03/10/23 16:07	4'
890-4290-2	FS17	Solid	03/10/23 11:05	03/10/23 16:07	4'
890-4290-3	FS18	Solid	03/10/23 11:10	03/10/23 16:07	4'
890-4290-4	FS19	Solid	03/10/23 11:15	03/10/23 16:07	4'
890-4290-5	FS20	Solid	03/10/23 11:20	03/10/23 16:07	4'
890-4290-6	FS21	Solid	03/10/23 11:25	03/10/23 16:07	4'
890-4290-7	FS22	Solid	03/10/23 11:30	03/10/23 16:07	4'
890-4290-8	FS23	Solid	03/10/23 11:35	03/10/23 16:07	4'
890-4290-9	FS24	Solid	03/10/23 13:40	03/10/23 16:07	4'
890-4290-10	FS25	Solid	03/10/23 13:45	03/10/23 16:07	4'
890-4290-11	FS26	Solid	03/10/23 13:50	03/10/23 16:07	4'
890-4290-12	SW03	Solid	03/10/23 13:55	03/10/23 16:07	0-4'
890-4290-13	SW04	Solid	03/10/23 14:00	03/10/23 16:07	0-4'
890-4290-14	SW05	Solid	03/10/23 14:05	03/10/23 16:07	0-4'
890-4290-15	SW06	Solid	03/10/23 14:10	03/10/23 16:07	0-4'

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

Work	Order	No:		

· · · · · · · · · · · · · · · · · · ·															7 1			Ā	ww.x				. 01
Project Manager:	Josh Adams				Bill to: (if	different)		Kalei	Jenni	ngs					_							Comments	
Company Name:	Ensolum, LLC				Compan	y Name:		Enso	lum, L	LC						Program: UST/PST PRP Frownfields RC uperfund State of Project: NM Reporting: Level III PST/UST TRRP Level IV							
Address:	3122 Nat'l Pari	ks Highv	vay		Address			3122	Nat'l F	arks F	lighway												
City, State ZIP:	Carlsbad, NM	88220			City, Sta	te ZIP:		Carlsbad, NM 88220			Report	ing: Lev	el II	Leve	IIIL	PST	/UST TRRP	☐ Level IV ☐					
Phone:	303-517-8437			Email:	jadams	@ensol	um.co	m, ki	ennir	qs@e	nsolur	n.com	10	Cal	May	Teles	6	HOOF	HO:	M A	DaPT	Other:	
Project Name:	TAVASAUG	901	Mayeric	V Tur	n Around								-		_	QUEST				Preservative Codes			
Project Number:	M2FONS	7021	1	Routine	Rush		Pres. Code															None: NO	DI Water: H ₂ O
Project Location:	37.80152		11-0-1-1	Due Date:																1	3	Cool: Cool	MeOH: Me
Sampler's Name:	Juliann	a Falcon	nata	TAT starts th						1				I		1					- 1	HCL: HC HNO ₃ : HN	
PO#:				the lab, if re	ceived by 4	1:30pm	20			-		1111111	111111111111111111111111111111111111111	ini 11 84	11/1/10/1	1111111111	an ion				- 1	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECE	IPT Temp	Blank:	Yes No	Wet Ice:	es	No	nete					890-4290 Chain of Custody					H ₃ PO ₄ : HP						
Samples Received I	ntact: (Yes	No	Thermomet	er ID: //	umo	FO	rat			1						NaHSO4: NABIS							
Cooler Custody Sea	is: Yes No	TRA	Correction 1	actor:	-0	6.1	à									Na ₂ S ₂ O ₃ : NaSO							
Sample Custody Se	als: Yes No	(AVA)	Temperatur	e Reading:	1.	2				S	-					Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC							
Total Containers:			Corrected T	emperature:	1.	0				E E					NAOTITASCOIDIC ACID. GAT G								
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех	TPH	CHLORIDES												Sample	Comments
F516		5	3/10/23	1100	4	C	1													_		K W.DM	111-2-2
F517				1105	41		1											_				MAPL	1675703
F518				1110	4'																		
519				1115	4															_			
F520				1120	4'																		
F571				1125	4													_					
F572				1130	4'													_	_		-		
523				1139	4'													_	_				
F5251				1135	4													1					
F575		V	V	1345	41	V	V			1	<u></u>												
Total 200.7 / 6	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn																						
Circle Method(s) a	and Metal(s) to b	e analyz	ed	TCLP / S	PLP 601	10: 8R0	CRA	Sb A	As Ba	Ве	Cd Cr	Co C	Cu Pb	Mn	Mo N	li Se	Ag Ti	U		Hg: 1	631/	245.1 / 7470 /	7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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X			6		Revised Date: 08/25/2020 Rev. 2020.2

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	1	
Work Order No:		

Drainet Manager	look	Adams					Dill to di	C 4188	`	Kalei Jennings				7	Work Order Comments					
Project Manager:							Bill to: (if									1				
Company Name:		olum, LLC					Compan			1	Ensolum, LLC				-					
Address:	3122	Nat'l Par	ks High	way			Address	:		3122 Nat'l Parks Highway				-	State of Project: NM					
City, State ZIP:	Carls	sbad, NM	88220				City, Sta	te ZIP:		Carls	sbad, I	MM 882	20		0 1		Reporting: Level II Level III PST/UST TRRP Level IV			
Phone:	303-	517-8437				Email:	jadams	@enso	lum.c	om, k	jennir	ngs@e	ensolum.c	com -	talcom	N/	CONSERVED LETTE, FORM	ADaP	Other:	
Project Name:	6V	CKAU	780111	Maj	Knck	/ Turn	n Around							AN	LYSIS RI	EQ	UEST		Preserva	ative Codes
Project Number:		-2057		-		Routine	Rush	1	Pres.			T							None: NO	DI Water: H₂O
Project Location:		902535		459	451	Due Date:													Cool: Cool	МеОН: Ме
Sampler's Name:			a Falcor			TAT starts th													HCL: HC	HNO ₃ : HN
PO#:		,				the lab, if re	ceived by	4:30pm	2										H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECE	EIPT	Temp	Blank:	Ye	s No	Wet lee:	Yes	No	nete					1					H₃PO₄: HP	
Samples Received	Intact:	Yes	No		momet				arai										NaHSO₄: NABIS	
Cooler Custody Se	als:	Yes No	O_N/A	Corr	ection	actor: 1			o.	1									Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		ls: Yes No N/A				e Reading:						S	1 1						Zn Acetate+NaO	
Total Containers:				Corr	ected T	emperature:						i i						- 1	NaOH+Ascorbic Acid: SAPC	
Sample Ide	entifica	tion	Matrix	,	Date mpled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH T	CHLORIDES							Sample	Comments
F26	-		15	3	10/23	1350	4	C	1										1 mannall	
5003					1	1355	0-4		1			\prod							NAPPRZILO	15103
SWOT						1400	04					WL.								
5W05						1405	04													
SW06			1		V	1410	04'	1	V											
											1									
												1								
											1_	1								
Total 200 7 /	0040	200 0 / 0	2000			ODCDA 4	2DDM 3	Tayon 1	1 1	Ch	An D	n Do	D C4 C	o Cr C	o Cu Fo	DI	h Ma Ma Ma Ni K Se	An SiO	Na Sr TI Sn I	I V 7n

Total	200.7 /	6010	200	.8/	6020:	
Circle Me	ethod(s)	and	Metal(s)	to t	e anal	yzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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YOUNG	(five OA)		2		
7			4		
			6		Page of Date: 08/25/2020 Re

Client: Ensolum Job Number: 890-4290-1

SDG Number: 03E2057020

Login Number: 4290 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

Question Answer Comment

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromised or tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present

COC is filled out in ink and legible.

COC is filled out with all pertinent information

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate

HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested

MS/MSDs

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

Eurofins Carlsbad

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 Client: Ensolum
 Job Number: 890-4290-1

 SDG Number: 03E2057020

Login Number: 4290 List Source: Eurofins Carlsbad

List Number: 2 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.	True	
Sample bottles are completely filled.	N/A	Refer to job narrative
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

1

Client: Ensolum

Job Number: 890-4290-1 SDG Number: 03E2057020

Login Number: 4290
List Source: Eurofins Midland
List Number: 3
List Creation: 03/14/23 11:33 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

PREPARED FOR

Attn: Josh Adams Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 3/27/2023 12:27:50 PM

JOB DESCRIPTION

EVG 2801/Maverick SDG NUMBER 03E2057020

JOB NUMBER

890-4309-1

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 3/27/2023 12:27:50 PM

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

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

Client: Ensolum
Project/Site: EVG 2801/Maverick
Laboratory Job ID: 890-4309-1
SDG: 03E2057020

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Definitions/Glossary

Job ID: 890-4309-1 Client: Ensolum Project/Site: EVG 2801/Maverick

SDG: 03E2057020

Qualifiers

GC VOA

Qualifier **Qualifier Description** 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.

GC Semi VOA

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

HPLC/IC

Qualifier **Qualifier Description** U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid **CNF**

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

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)

Method Detection Limit MDL ML Minimum Level (Dioxin) MPN Most Probable Number MOI 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 **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: EVG 2801/Maverick

Job ID: 890-4309-1

SDG: 03E2057020

Job ID: 890-4309-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4309-1

Receipt

The samples were received on 3/14/2023 4:17 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS27 (890-4309-1), FS28 (890-4309-2), FS29 (890-4309-3) and SW06 (890-4309-4).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS27 (890-4309-1), FS28 (890-4309-2), FS29 (890-4309-3), SW06 (890-4309-4), (CCV 880-49342/2), (CCV 880-49342/20), (LCS 880-49291/1-A), (LCSD 880-49291/2-A), (MB 880-49291/5-A), (890-4309-A-1-D MS) and (890-4309-A-1-E 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: The surrogate recovery for the blank associated with preparation batch 880-48884 and analytical batch 880-48908 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-48884/2-A) and (LCSD 880-48884/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The laboratory control sample (LCS) associated with preparation batch 880-48884 and analytical batch 880-48908 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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.

Matrix: Solid

Client: Ensolum Job ID: 890-4309-1 Project/Site: EVG 2801/Maverick SDG: 03E2057020

Client Sample ID: FS27 Lab Sample ID: 890-4309-1

Date Collected: 03/13/23 12:00 Date Received: 03/14/23 16:17

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/23/23 08:54	03/23/23 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130			03/23/23 08:54	03/23/23 20:00	1
1,4-Difluorobenzene (Surr)	75		70 - 130			03/23/23 08:54	03/23/23 20:00	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			03/27/23 13:18	1
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/22/23 17:16	Dil Fac
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte Total TPH . Method: SW846 8015B NM - Die:	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg			03/22/23 17:16	1 Dil Fac
	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg		Prepared	03/22/23 17:16 Analyzed	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 <49.9	Qualifier U nics (DRO) Qualifier U U *+	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 03/18/23 09:50	03/22/23 17:16 Analyzed 03/19/23 12:56	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 <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 03/18/23 09:50 03/18/23 09:50	03/22/23 17:16 Analyzed 03/19/23 12:56 03/19/23 12:56	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)	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 03/18/23 09:50 03/18/23 09:50 03/18/23 09:50	03/22/23 17:16 Analyzed 03/19/23 12:56 03/19/23 12:56	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 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/18/23 09:50 03/18/23 09:50 03/18/23 09:50 Prepared	03/22/23 17:16 Analyzed 03/19/23 12:56 03/19/23 12:56 03/19/23 12:56 Analyzed	Dil Fac 1 1 Dil Fac 1 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	Result	Qualifier U nics (DRO) Qualifier U U *+ 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 03/18/23 09:50 03/18/23 09:50 03/18/23 09:50 Prepared 03/18/23 09:50	03/22/23 17:16 Analyzed 03/19/23 12:56 03/19/23 12:56 Analyzed 03/19/23 12:56	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) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U *+ 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 03/18/23 09:50 03/18/23 09:50 03/18/23 09:50 Prepared 03/18/23 09:50	03/22/23 17:16 Analyzed 03/19/23 12:56 03/19/23 12:56 Analyzed 03/19/23 12:56	Dil Fac 1

Client Sample ID: FS28 Lab Sample ID: 890-4309-2

Date Collected: 03/13/23 12:05 Date Received: 03/14/23 16:17

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/23/23 08:54	03/23/23 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130			03/23/23 08:54	03/23/23 20:25	1

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Matrix: Solid

Job ID: 890-4309-1

Client: Ensolum SDG: 03E2057020 Project/Site: EVG 2801/Maverick

Client Sample ID: FS28 Lab Sample ID: 890-4309-2

Date Collected: 03/13/23 12:05 Matrix: Solid Date Received: 03/14/23 16:17

Sample Depth: 1'

Method: SW846 8021B - Volatile	Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	78	70 - 130	03/23/23 08:54	03/23/23 20:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403 U	0.00403	ma/Ka			03/27/23 13:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	ma/Ka			03/22/23 17:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:18	1
Diesel Range Organics (Over	<49.9	U *+	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:18	1
C10-C28) OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:18	1
Surrogato	%Pacayary	Qualifier	l imite			Propared	Analyzad	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90	70 - 130	03/18/23 09:50	03/19/23 13:18	1
o-Terphenyl	103	70 - 130	03/18/23 09:50	03/19/23 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		4.98	mg/Kg			03/20/23 16:45	1

Client Sample ID: FS29 Lab Sample ID: 890-4309-3 **Matrix: Solid**

Date Collected: 03/13/23 12:15 Date Received: 03/14/23 16:17

Sample Depth: 1'

momous official course	no organio comp	Janua (Ja	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/23/23 08:54	03/23/23 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			03/23/23 08:54	03/23/23 20:51	1
1 4 Diffuorabanzana (Surr)	90		70 120			02/22/22 00.54	02/22/22 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	03/23/23 08:54	03/23/23 20:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/23/23 08:54	03/23/23 20:51	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			03/27/23 13:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/22/23 17:16	1

Matrix: Solid

Lab Sample ID: 890-4309-3

Job ID: 890-4309-1

Client: Ensolum Project/Site: EVG 2801/Maverick SDG: 03E2057020

Client Sample ID: FS29 Date Collected: 03/13/23 12:15

Date Received: 03/14/23 16:17

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *+	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:40	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/23 09:50	03/19/23 13:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			03/18/23 09:50	03/19/23 13:40	1
o-Terphenyl	106		70 - 130			03/18/23 09:50	03/19/23 13:40	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SW06 Lab Sample ID: 890-4309-4 Date Collected: 03/13/23 12:30 Matrix: Solid

Date Received: 03/14/23 16:17

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/23/23 08:54	03/23/23 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130			03/23/23 08:54	03/23/23 21:17	1
1,4-Difluorobenzene (Surr)	80		70 - 130			03/23/23 08:54	03/23/23 21:17	1
Analyte Total BTEX	<0.00399		RL 0.00399	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 03/27/23 13:18	Dil Fac
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg		<u> </u>	03/22/23 17:16	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/18/23 09:50	03/19/23 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		03/18/23 09:50	03/19/23 14:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/23 09:50	03/19/23 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			03/18/23 09:50	03/19/23 14:02	1
							03/19/23 14:02	

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-4309-1

 Project/Site: EVG 2801/Maverick
 SDG: 03E2057020

Client Sample ID: SW06 Lab Sample ID: 890-4309-4

Date Collected: 03/13/23 12:30
Date Received: 03/14/23 16:17

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	39.6		4.97	mg/Kg			03/20/23 16:56	1

4

5

7

8

10

12

13

12

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ensolum Job ID: 890-4309-1 Project/Site: EVG 2801/Maverick SDG: 03E2057020

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)	
890-4309-1	FS27	161 S1+	75	
890-4309-1 MS	FS27	171 S1+	87	
890-4309-1 MSD	FS27	168 S1+	98	
890-4309-2	FS28	163 S1+	78	
890-4309-3	FS29	169 S1+	80	
890-4309-4	SW06	176 S1+	80	
LCS 880-49291/1-A	Lab Control Sample	154 S1+	69 S1-	
LCSD 880-49291/2-A	Lab Control Sample Dup	161 S1+	91	
MB 880-49291/5-A	Method Blank	100	76	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				trop sylvation
_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4308-A-41-B MS	Matrix Spike	97	101	
890-4308-A-41-C MSD	Matrix Spike Duplicate	114	116	
890-4309-1	FS27	90	103	
890-4309-2	FS28	90	103	
890-4309-3	FS29	92	106	
890-4309-4	SW06	91	106	
LCS 880-48884/2-A	Lab Control Sample	143 S1+	172 S1+	
LCSD 880-48884/3-A	Lab Control Sample Dup	170 S1+	196 S1+	
MB 880-48884/1-A	Method Blank	119	138 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Released to Imaging: 7/14/2023 2:02:50 PM

Client: Ensolum

Job ID: 890-4309-1 SDG: 03E2057020

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49291/5-A

Lab Sample ID: LCS 880-49291/1-A

Matrix: Solid

Analysis Batch: 49342

Project/Site: EVG 2801/Maverick

Matrix: Solid Analysis Batch: 49342 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49291

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 19:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 19:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 19:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/23/23 08:54	03/23/23 19:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/23 08:54	03/23/23 19:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/23/23 08:54	03/23/23 19:34	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/	/23/23 08:54	03/23/23 19:34	1
1.4-Difluorobenzene (Surr)	76		70 - 130	03,	/23/23 08:54	03/23/23 19:34	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49291

Prep Type: Total/NA

Prep Batch: 49291

35

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits mg/Kg Benzene 0.100 0.1140 114 70 - 130 Toluene 0.100 0.1015 mg/Kg 101 70 - 130 0.100 Ethylbenzene 0.1191 mg/Kg 119 70 - 130 0.200 0.2517 126 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1206 70 - 130 o-Xylene mg/Kg 121

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130

Client Sample ID: Lab Control Sample Dup

121

70 - 130

mg/Kg

Matrix: Solid

Lab Sample ID: LCSD 880-49291/2-A

Analysis Batch: 49342

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1232 mg/Kg 123 70 - 130 8 35 Toluene 0.100 0.1003 mg/Kg 100 70 - 130 35 Ethylbenzene 0.100 0.1188 mg/Kg 119 70 - 130 0 35 0.200 m-Xylene & p-Xylene 0.2526 mg/Kg 126 70 - 130 35

0.1215

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130
1.4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-4309-1 MS

Matrix: Solid

o-Xylene

Analysis Batch: 49342

Client Sample ID: FS27 Prep Type: Total/NA

Prep Batch: 49291

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08291		mg/Kg		83	70 - 130	
Toluene	<0.00200	U	0.100	0.07383		mg/Kg		74	70 - 130	

0.100

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1

Client: Ensolum

Project/Site: EVG 2801/Maverick

Job ID: 890-4309-1 SDG: 03E2057020

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

Lab Sample ID: 890-4309-1 MS

Matrix: Solid

Analysis Batch: 49342

Client Sample ID: FS27

Prep Type: Total/NA

Prep Batch: 49291

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.07977		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1666		mg/Kg		83	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08092		mg/Kg		81	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Client Sample ID: FS27

Prep Type: Total/NA

Prep Batch: 49291

Lab Sample ID: 890-4309-1 MSD **Matrix: Solid**

Analysis Batch: 49342

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.1086		mg/Kg		110	70 - 130	27	35
Toluene	<0.00200	U	0.0990	0.09435		mg/Kg		95	70 - 130	24	35
Ethylbenzene	<0.00200	U	0.0990	0.09886		mg/Kg		100	70 - 130	21	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2056		mg/Kg		104	70 - 130	21	35
o-Xylene	<0.00200	U	0.0990	0.09713		mg/Kg		98	70 - 130	18	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-48884/1-A

Matrix: Solid

Analysis Batch: 48908

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

Prep Batch: 48884

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/18/23 09:50	03/19/23 08:52	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/18/23 09:50	03/19/23 08:52	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/23 09:50	03/19/23 08:52	1
3 3 3 (3 3 3 3 4 3 3 3 4 3 4 3 4 4 4 4 4				3 3				

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/18/23 09:50	03/19/23 08:52	1
o-Terphenyl	138	S1+	70 - 130	03/18/23 09:50	03/19/23 08:52	1

Lab Sample ID: LCS 880-48884/2-A

Matrix: Solid

Analysis Batch: 48908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 48884

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1075		mg/Kg		107	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1126		mg/Kg		113	70 - 130	
C10-C28)								

Job ID: 890-4309-1 Client: Ensolum Project/Site: EVG 2801/Maverick SDG: 03E2057020

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

Lab Sample ID: LCS 880-48884/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 48908 LCS LCS Prep Type: Total/NA

Prep Batch: 48884

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 143 S1+ 70 - 130 o-Terphenyl 172 S1+ 70 - 130

Lab Sample ID: LCSD 880-48884/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 48908

Prep Type: Total/NA

Prep Batch: 48884

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1003 100 70 - 1307 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1352 *+ 135 mg/Kg 70 - 13018 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 170 S1+ 70 - 130 1-Chlorooctane 196 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 890-4308-A-41-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 48908

Prep Type: Total/NA

Prep Batch: 48884

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 897.9 mg/Kg 88 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U*+ 998 950.3 mg/Kg 93 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 97 70 - 130 o-Terphenyl 101

Lab Sample ID: 890-4308-A-41-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 48908

Prep Type: Total/NA Prep Batch: 48884

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 Gasoline Range Organics <49.9 1048 103 70 - 130 15 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U*+ 999 1099 mg/Kg 108 70 - 130 15 20

C10-C28)

MSD MSD Qualifier Surrogate %Recovery Limits 1-Chlorooctane 114 70 - 130 116 70 - 130 o-Terphenyl

Client: Ensolum Job ID: 890-4309-1 Project/Site: EVG 2801/Maverick

SDG: 03E2057020

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48890/1-A

Matrix: Solid

Analysis Batch: 49133

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 03/20/23 14:19

Lab Sample ID: LCS 880-48890/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49133

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 262.6 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-48890/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49133

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 257.6 mg/Kg 103 90 - 110

Lab Sample ID: 890-4297-A-2-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49133

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 44.2 248 288.4 90 - 110 mg/Kg

Lab Sample ID: 890-4297-A-2-D MSD

Matrix: Solid

Analysis Batch: 49133

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 248 44.2 282.7 mg/Kg 96 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: EVG 2801/Maverick

Job ID: 890-4309-1 SDG: 03E2057020

2057020

GC VOA

Prep Batch: 49291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	5035	
890-4309-2	FS28	Total/NA	Solid	5035	
890-4309-3	FS29	Total/NA	Solid	5035	
890-4309-4	SW06	Total/NA	Solid	5035	
MB 880-49291/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49291/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49291/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4309-1 MS	FS27	Total/NA	Solid	5035	
890-4309-1 MSD	FS27	Total/NA	Solid	5035	

Analysis Batch: 49342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	8021B	49291
890-4309-2	FS28	Total/NA	Solid	8021B	49291
890-4309-3	FS29	Total/NA	Solid	8021B	49291
890-4309-4	SW06	Total/NA	Solid	8021B	49291
MB 880-49291/5-A	Method Blank	Total/NA	Solid	8021B	49291
LCS 880-49291/1-A	Lab Control Sample	Total/NA	Solid	8021B	49291
LCSD 880-49291/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49291
890-4309-1 MS	FS27	Total/NA	Solid	8021B	49291
890-4309-1 MSD	FS27	Total/NA	Solid	8021B	49291

Analysis Batch: 49632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	Total BTEX	
890-4309-2	FS28	Total/NA	Solid	Total BTEX	
890-4309-3	FS29	Total/NA	Solid	Total BTEX	
890-4309-4	SW06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	8015NM Prep	
890-4309-2	FS28	Total/NA	Solid	8015NM Prep	
890-4309-3	FS29	Total/NA	Solid	8015NM Prep	
890-4309-4	SW06	Total/NA	Solid	8015NM Prep	
MB 880-48884/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48884/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4308-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4308-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	8015B NM	48884
890-4309-2	FS28	Total/NA	Solid	8015B NM	48884
890-4309-3	FS29	Total/NA	Solid	8015B NM	48884
890-4309-4	SW06	Total/NA	Solid	8015B NM	48884
MB 880-48884/1-A	Method Blank	Total/NA	Solid	8015B NM	48884
LCS 880-48884/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48884

QC Association Summary

 Client: Ensolum
 Job ID: 890-4309-1

 Project/Site: EVG 2801/Maverick
 SDG: 03E2057020

GC Semi VOA (Continued)

Analysis Batch: 48908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-48884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48884
890-4308-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	48884
890-4308-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48884

Analysis Batch: 49254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Total/NA	Solid	8015 NM	
890-4309-2	FS28	Total/NA	Solid	8015 NM	
890-4309-3	FS29	Total/NA	Solid	8015 NM	
890-4309-4	SW06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Soluble	Solid	DI Leach	_
890-4309-2	FS28	Soluble	Solid	DI Leach	
890-4309-3	FS29	Soluble	Solid	DI Leach	
890-4309-4	SW06	Soluble	Solid	DI Leach	
MB 880-48890/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48890/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48890/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4297-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4297-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 49133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4309-1	FS27	Soluble	Solid	300.0	48890
890-4309-2	FS28	Soluble	Solid	300.0	48890
890-4309-3	FS29	Soluble	Solid	300.0	48890
890-4309-4	SW06	Soluble	Solid	300.0	48890
MB 880-48890/1-A	Method Blank	Soluble	Solid	300.0	48890
LCS 880-48890/2-A	Lab Control Sample	Soluble	Solid	300.0	48890
LCSD 880-48890/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48890
890-4297-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	48890
890-4297-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48890

SDG: 03E2057020

Client Sample ID: FS27

Client: Ensolum

Lab Sample ID: 890-4309-1

Matrix: Solid

Date Collected: 03/13/23 12:00

Date Received: 03/14/23 16:17

Project/Site: EVG 2801/Maverick

	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	49291	03/23/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49342	03/23/23 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49632	03/27/23 13:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49254	03/22/23 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48884	03/18/23 09:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48908	03/19/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48890	03/18/23 15:24	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49133	03/20/23 16:40	SMC	EET MID

Client Sample ID: FS28 Lab Sample ID: 890-4309-2 Matrix: Solid

Date Collected: 03/13/23 12:05 Date Received: 03/14/23 16:17

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.96 g 5 mL 49291 03/23/23 08:54 MNR EET MID Total/NA 8021B 5 mL 03/23/23 20:25 **EET MID** Analysis 1 5 mL 49342 MNR Total/NA Total BTEX 49632 03/27/23 13:18 Analysis A.I **EET MID** 1 Total/NA Analysis 8015 NM 49254 03/22/23 17:16 SM **EET MID** Total/NA 48884 Prep 8015NM Prep 10.03 g 10 mL 03/18/23 09:50 ΑJ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 48908 03/19/23 13:18 SM **EET MID** Soluble 03/18/23 15:24 Leach DI Leach 5.02 g 50 mL 48890 SMC **EET MID** Soluble Analysis 300.0 50 mL 50 mL 49133 03/20/23 16:45 SMC **EET MID**

Lab Sample ID: 890-4309-3 **Client Sample ID: FS29** Date Collected: 03/13/23 12:15 **Matrix: Solid**

	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	49291	03/23/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49342	03/23/23 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49632	03/27/23 13:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49254	03/22/23 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48884	03/18/23 09:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48908	03/19/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48890	03/18/23 15:24	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49133	03/20/23 16:51	SMC	EET MID

Client Sample ID: SW06 Lab Sample ID: 890-4309-4

Date Collected: 03/13/23 12:30 Date Received: 03/14/23 16:17

Date Received: 03/14/23 16:17

	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	49291	03/23/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49342	03/23/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49632	03/27/23 13:18	AJ	EET MID

Eurofins Carlsbad

Matrix: Solid

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Lab Chronicle

Client: Ensolum Job ID: 890-4309-1 Project/Site: EVG 2801/Maverick SDG: 03E2057020

Client Sample ID: SW06

Lab Sample ID: 890-4309-4 Date Collected: 03/13/23 12:30

Matrix: Solid

Date Received: 03/14/23 16:17

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49254	03/22/23 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48884	03/18/23 09:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48908	03/19/23 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48890	03/18/23 15:24	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49133	03/20/23 16:56	SMC	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: 890-4309-1 Project/Site: EVG 2801/Maverick

SDG: 03E2057020

Laboratory: Eurofins Midland

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

Authority Texas		ogram	Identification Number	Expiration Date 06-30-23	
		ELAP	T104704400-22-25		
The following analytes the agency does not of	• •	t the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		

Method Summary

Client: Ensolum Project/Site: EVG 2801/Maverick

Job ID: 890-4309-1 SDG: 03E2057020

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: EVG 2801/Maverick

Job ID: 890-4309-1

SE

DG: (03E2057020	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4309-1	FS27	Solid	03/13/23 12:00	03/14/23 16:17	1'
890-4309-2	FS28	Solid	03/13/23 12:05	03/14/23 16:17	1'
890-4309-3	FS29	Solid	03/13/23 12:15	03/14/23 16:17	1'
890-4309-4	SW06	Solid	03/13/23 12:30	03/14/23 16:17	0-4'

eceived by OCD: 4/21/2023 1:07:35 PM



Environment Testing Xenço

Chain of Custody

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

Mork Order No:	
Work Order No:	

www.xenco.com

Project Manager:	Josh Adams				Bill to: (if	different)	Kalei	Jennin	gs				_	V	Vork Order	Comments	
Company Name:	Ensolum, LLC				Compan	y Name		Ensol	um, LL	.C				_	Program: UST/PST PI	RP Brown	fields RC	uperfund [
Address:	3122 Nat'l Parks	Highw	ay		Address		13 122 Nati i aiks i ignway				State of Project: NM							
City, State ZIP:	Carlsbad, NM 88	8220			City, Sta	te ZIP:		Carlst	oad, N	M 8822	0				Reporting: Level II Level	el III 🗌 PST/	UST [] TRR	Level IV
Phone:	303-517-8437			Email:	jadams	@enso	lum.co	om, kj	ennin	gs@er	solum	.com	Palcor	Mod	Develor Table	ADaPT	☐ Othe	r:
Project Name:	1020011	IM	wrich	/	1 Around								VALYSIS				Prese	rvative Codes
Project Number:	NSP1 057	1-1-5-4	MAILL	Routine	☐ Rush)	Pres.				T			T		ı	None: NO	DI Water: H ₂ O
Project Location:	20,500	5,-118	49451	Due Date:													Cool: Cool	MeOH: Me
Sampler's Name:	Julianna			TAT starts ti												1 1	HCL: HC	HNO ₃ : HN
PO#:				the lab, if re	· ·		SIS					I	ı	1	1		H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECE	The state of the s	ank:	(e) No	Wet Ice:	(es)		nete					110111					H₃PO₄: HP	
Samples Received I			Thermomete		TN	2.00	arai					1400		Mil M			NaHSO₄: NAB	
Cooler Custody Sea		A 11	Correction F		~-(2	4				ŀ					1 1	Na ₂ S ₂ O ₃ : NaSe Zn Acetate+Na	
Sample Custody Sea	als: Yes No	_	Temperature		1	8				ES		890-	4309 Ch	ain of	Custody		zn Acetate+Na NaOH+Ascorb	
Total Containers:			Corrected T		<u></u>	1000				GINO							THE CTT - ASCOTE	TO THEIR OF IT O
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех	TP.	CHLORIDES							Samp	le Comments
ES7-1		5	3 3 23	17.00	1		1	T										125-0
1319			3 13 23	1205	-1'	C											NAPPO	21675703
1529		V	3/3/23	125	11	C	Ĺ											
31)06		V	3/14/23	1230	0-4	Õ	(
			7					-										
														1_				
Total 200.7 / 6	010 200.8 / 60	020:		8RCRA 1	3PPM	Texas 1	1 Al	Sb A	s Ba	Be E	3 Cd	Ca Cr	Co Cu	Fe P	b Mg Mn Mo Ni K Se	Ag SiO ₂ N	la Sr Ti Sn	U V Zn

Total Circle M	200.7	/ 6010) 20	8.00	60:	20:	
Circle Me	ethod(s) and	Metal	s) to	be a	analy	zed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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

Relinquished by (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Marketa	Anaraly Stuff	3-14-23 11	2.7		
3			4		
5			6		Revised Date 08/25/2020 Rev. 202

 Client: Ensolum
 Job Number: 890-4309-1

 SDG Number: 03E2057020

Login Number: 4309 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	

,c 1// oj 1/0

Client: Ensolum Job Number: 890-4309-1

SDG Number: 03E2057020

Login Number: 4309 **List Source: Eurofins Midland** List Number: 2

List Creation: 03/16/23 10:28 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	

Released to Imaging: 7/14/2023 2:02:50 PM

<6mm (1/4").



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 10, 2023

KALEI JENNINGS ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: EVG SAO 2801

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 04/06/2023
 Sampling Date:
 04/06/2023

 Reported:
 04/10/2023
 Sampling Type:
 Soil

Project Name: EVG SAO 2801 Sampling Condition: Cool & Intact
Project Number: 03D2057020 Sample Received By: Tamara Oldaker

Project Location: MAVERICK 32.802535,-103.459451

Sample ID: FS 08 @ 4.25' (H231619-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.19	109	2.00	5.91	
Toluene*	<0.050	0.050	04/06/2023	ND	2.22	111	2.00	5.05	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.17	108	2.00	6.54	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.79	113	6.00	7.67	
Total BTEX	<0.300	0.300	04/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	04/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	190	95.1	200	1.43	
DRO >C10-C28*	197	10.0	04/06/2023	ND	187	93.7	200	0.441	
EXT DRO >C28-C36	34.2	10.0	04/06/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Gradum //C								BI	LL TO	,					ANA	LYSI	S RE	QUE	ST	 																
		_					P	0. #						_			-	-																			
Project Manager			_				-	_		_			1			-		1	-																		
Address: 5/2	22 Nat'l Parks Hwy	-	OMA AS				OMA as				OM10 = 2				01/10				ald a						any:												
City: VOUNS		Zip:	8	SUL	0		A	ttn:																													
Phone #: 4)	1-1083-2508 Fax#:						Α	ddre	ess:																												
Project #: 08	D2057020 Project Owner	r: N	a	veri	ck)	С	ity:																													
Project Name:	AV (45AD 75D)		10.				s	tate:		Zip:																											
Project Location	n: 32,602535, -108,L	159	4	51			P	hone	e #:						0																						
Sampler Name:	Julianna Falcomo	fa					F	ax#	:						2																						
FOR LAB USE ONLY	JUNI LA CONTROL FIRM CONTROL	Ť	П		MAT	RIX		PR	ESERV	. SA	MPL	ING	1.		0						- 1																
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP	> # CONTAINERS	GROUNDWATER	X soll	OIL	SLUDGE	ACID/BASE:	ICE / COOL K	DATE 4/101	-	TIME 1250	X を在	HOY X	X Onlo																						
										If to the amount																											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing whether based in contract of tori, shall be demined to be animated to be anima

affiliates or successors arising out of or related to the perform	Date: 72	Received By:	7111	Verbal Result: ☐ Ye All Results are emailed	s No Add' No Please provide Er	Phone #: nail address:	111.
Relinquished By:	Time:	Received By:	Matter	REMARKS:	a @ enst	olum.com	11 hjenningsa
	Time:						1 0 101
Donitor Dy. (Observed Temp. °C Corrected Temp. °C	Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	Standard Rush	Cool Intact ☐ Yes ☐ Yes	Sample Condition Observed Temp. °C Corrected Temp. °C



APPENDIX C

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

Latitude: 32.80302

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	NAPP2221675703
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Maverick Permian, LLC	OGRID: 331199	
Contact Name: Thomas Haigood	Contact Telephone: (432) 701-7802	
Contact email: Thomas.haigood@mavresources.com Incident # (assigned by OCD)		
Contact mailing address: 5735 SW 7000, Andrews, TX 79714		
Location of Release Source		

Longitude: -103.45896

Site Name: East Vacuum Grayburg – San Andreas Unit #010			Site Type: Flow line - Pa	asture			
Date Release Discovered: June 06, 2022				API# (if applicable)			
Unit Letter Section Township Range County							
SW-SE 28 17S 35E Lea							
Surface Owne	r: 🛛 Stat	e 🗌 Federal 🔲		e (Nam	e:)

Nature and Volume of Release

Crude Oil	(s) Released (Select all that apply and attach calculations or specific Volume Released: 2 bbl.	Volume Recovered: 1 bbl.		
Produced Water	Volume Released: 35 bbl.	Volume Recovered: 19 bbl.		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release:				
The 90 degree steel flow line riser developed a hole due to possible inner corrosion, This allowed approximately 37 bbl. of production fluid to spill onto the ground over the course of a couple hours ultimately covering an area of 60 ft. by 75 ft. in the pasture before being isolated.				

Received by OCD: 4/21/2023/1:07:35/PM State of New Mexico
Page 2 Oil Conservation Division

	PageH85eof 190	
A DDAAA	1.675700	

Incident ID	NAPP2221675703
District RP	
Facility ID	
Application ID	

	•		
1:55pm (TX) on June 12	th, 2022and made notification.		
	Initial Res	ponse	
The responsible p	party must undertake the following actions immediately un	aless they could create a safety hazard that would result in injury	
	s been secured to protect human health and the		
	ecoverable materials have been removed and n	es, absorbent pads, or other containment devices.	
	d above have <u>not</u> been undertaken, explain wh		
		en barricaded. No more fluid will spread further. The ated in accordance with NMOCD EMNRD guidelines	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Thomas H	Printed Name: Thomas Haigood Title: Permian HSE Specialist		
Signature: Thomas James Haige	ood	Date: June 06, 2022	
email: Thomas.haigood @	@mavresources.com	Telephone: (432) 701-7802	
OCD Only Jocelyn Received by:	Harimon I	08/05/2022 Pate:	

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 131744

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1111 Bagby Street Suite 1600 Houston, TX 77002	Action Number: 131744
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-	8/5/2022

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Incident ID	NAPP2221675703
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release?	51-100 (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?	X Yes ☐ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil	
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.		

-	
Cha	aracterization Report Checklist: Each of the following items must be included in the report.
l	
	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
\boxtimes	Field data
\boxtimes	Data table of soil contaminant concentration data
\boxtimes	Depth to water determination
\boxtimes	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
	Boring or excavation logs
\boxtimes	Photographs including date and GIS information
$\overline{\boxtimes}$	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.

Received by OCD: 4/21/2023 1:07:35 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	NAPP2221675703
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Bryce Wagoner Signature: Printed Name:	Title: Permian HSE Specialist Date: 4/13/2023		
email: bryce.wagoner@mavresources.com	Telephone: (432) 701-7802		
OCD Only			
Received by:	Date:		

Page 189 of 190

	1 1180 201 0) 11
Incident ID	NAPP2221675703
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 items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29	2.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OI	OC District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certs may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulations.	elete to the best of my knowledge and understand that pursuant to OCD rules ain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for elations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Bryce Wagoner	Title: Permian HSE Specialist
Signature:	Date: 4/13/2023
email: bryce.wagoner@mavresources.com	Telephone: (432) 701-7802
OCD Only	
Received by:	Date:
	ty of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by: Nelson Velez	Date:07/14/2023
Printed Name: Nelson Velez	Title: Environmental Specialist – Adv
	

District I
1625 N. French Dr., Hobbs, NM 88240
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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 209758

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1111 Bagby Street Suite 1600	Action Number:
Houston, TX 77002	209758
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	7/14/2023