te of New Mexico Incident ID NAPP2235437148

Incident ID	NAPP2235437148
District RP	
Facility ID	fAPP2203847910
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 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)							
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District 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 certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in						
_	•						
OCD Only							
Received by:	Date: 03/21/2023						
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.						
Closure Approved by: Robert Hamlet	Date: 8/3/2023						
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced						



March 16, 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

Cabo Wabo Federal Com 704H, 705H & 706H

Incident Number NAPP2235437148

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document assessment, delineation and soil sampling activities performed at the Cabo Wabo Federal Com 704H, 705H & 706H (Site). The purpose of the Site assessment, delineation, and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of brackish water off pad and into the pasture area at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, COG is submitting this *Closure Request*, describing Site assessment and delineation activities that have occurred and requesting closure for Incident Number NAPP2235437148.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 24, Township 25 South, Range 29 East, in Lea County, New Mexico (32.1116°, -103.9302°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 16, 2022, a hole was found in a lay flat line during a pressure test that resulted in the release of approximately 13.521 barrels (bbls) of brackish water on to the surrounding pasture area. COG reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email on December 16, 2022, and submitted a Release Notification Form C-141 (Form C-141) on December 20, 2022. The release was assigned Incident Number NAPP2235437148.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) C-04558 POD1, located approximately 1.6 miles west of the Site. The temporary groundwater well reported the hole was dry and the well was drilled to a total depth of 109 feet bgs. Ground surface elevation at the groundwater well

Cabo Wabo Federal Com 704H, 705H & 706H Closure Request COG Operating, LLC



location is 3,082 feet above mean sea level (amsl), which is approximately 38 feet lower in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, also considered a wetland riverine, located approximately 1,075 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

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

SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On January 25, 2023, Ensolum personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight assessment soil samples (SS01 through SS08) were collected within the release extent at a depth of approximately 0.5 feet bgs to assess surficial soil associated with the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

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

Laboratory analytical results for soil samples SS01 through SS08, collected within the release extent, indicated all COC concentrations were compliant with the Closure Criteria and the reclamation requirement; however, additional vertical delineation activities within the release extent still appeared to be warranted. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.

Cabo Wabo Federal Com 704H, 705H & 706H Closure Request COG Operating, LLC



DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On February 16, 2023, Ensolum personnel were at the Site to perform delineation activities. Eight boreholes (SS01A through SS08A) were advanced via hand-auger at the respective locations of assessment soil samples SS01 through SS08. One discrete delineation soil sample was collected in each location, SS01A through SS08A, from the boreholes at a depth of 1-foot bgs. Additionally, four assessment soil samples (SS09 through SS12) were collected around the release extent in each cardinal direction at a depth of approximately 0.5 feet bgs to assess the lateral extent of the release. Soil from the delineation samples was field screened for VOCs and chloride. The boreholes were backfilled with soil removed. The delineation soil sample locations are depicted in Figure 2. A photographic log is included in Appendix B.

Laboratory analytical results for delineation soil samples SS01A through SS08A and SS09 through SS12 indicated all COC concentrations were compliant with the Closure Criteria and met the most stringent Table I Closure Criteria/reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.

CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site to address the December 16, 2022, release of brackish water at the Site. Laboratory analytical results for preliminary and delineation soil samples, collected from the off-pad release, indicated all COC concentrations were compliant with the Site Closure Criteria and met the most stringent Table I Closure Criteria/reclamation requirement. Based on soil sample analytical results, no further remediation appears to be required.

Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. COG believes these assessment actions have confirmed the absence of impacts from the December 2022 release and COG has been protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2235437148. The C-141 is included in Appendix E.

Cabo Wabo Federal Com 704H, 705H & 706H Closure Request COG Operating, LLC



If you have any questions or comments, please contact Ms. Hadlie Green at (432) 557-8895 or hgreen@ensolum.com.

Sincerely, **Ensolum**, **LLC**

Peter Van Patten Project Geologist Hadlie Green Project Manager

cc: Justin Carlile, COG Operating, LLC

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map Figure 2 Soil Sample Locations

Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

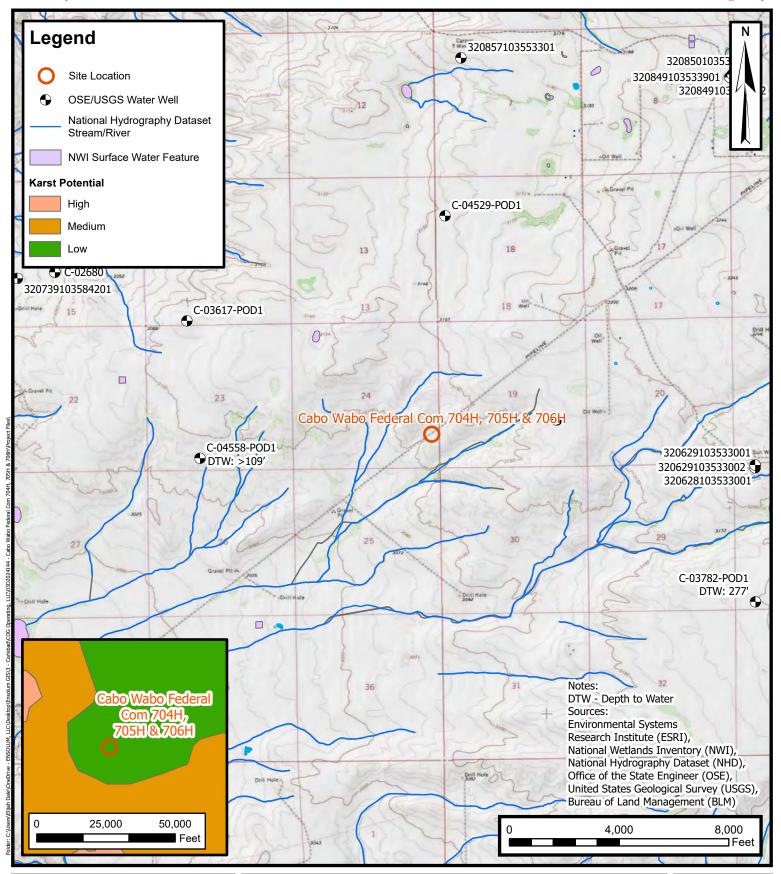
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix D NMOCD Notifications

Appendix E Final C-141



FIGURES



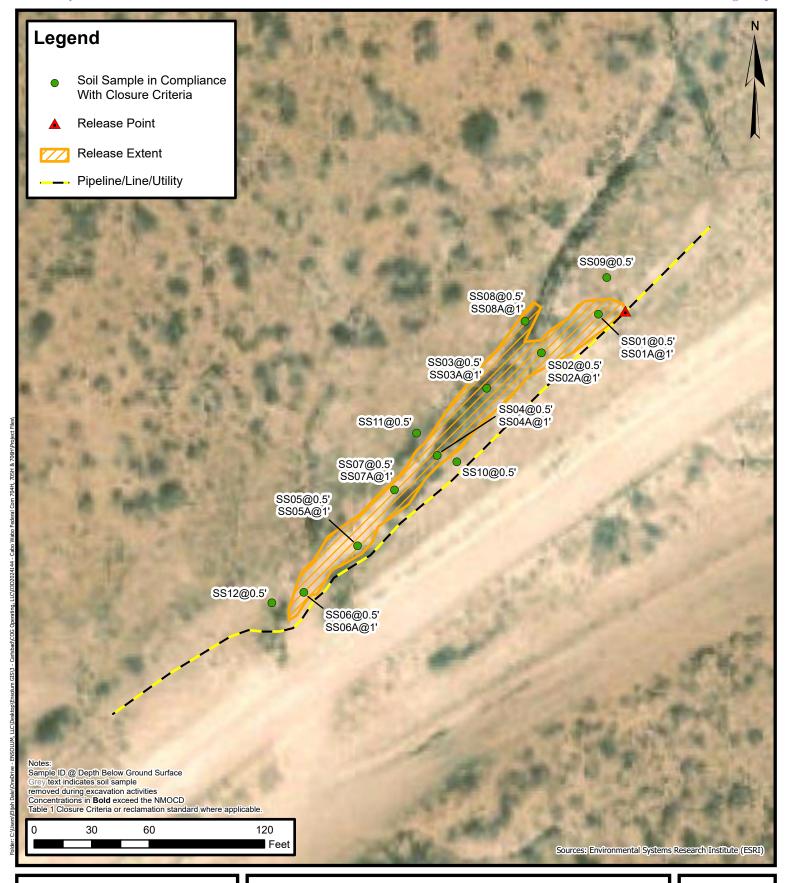


Site Receptor Map

COG Operating, LLC
Cabo Wabo Federal Com 704H, 705H & 706H
Incident ID: NAPP2235437148
Unit P, Sec 24, T25S, R29E
Lea County, New Mexico

FIGURE

1





Soil Sample Locations Map

COG Operating, LLC
Cabo Wabo Federal Com 704H, 705H & 706H
Incident ID: NAPP2235437148
Unit P, Sec 24, T25S, R29E
Lea County, New Mexico

FIGURE

2



TABLES



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Cabo Wabo Federal Com 704H, 705H, 706H COG Operating, LLC Lea County, New Mexico GRO+DRO Depth Benzene **Total BTEX TPH GRO TPH DRO TPH ORO Total TPH** Chloride Sample Date Designation (feet bgs) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) NMOCD Table I Closure Criteria (NMAC 19.15.29) ΝE NE NE 1,000 2,500 20,000 10 50 **Delineation Soil Samples** SS01* 01/25/2023 0.5 < 0.00201 < 0.00402 <49.9 <49.9 <49.9 <49.9 <49.9 7.30 SS01A* 02/16/2023 1 < 0.00198 < 0.00396 <49.8 <49.8 <49.8 <49.8 <5.02 <49.8 SS02* 01/25/2023 0.5 < 0.00200 < 0.00401 <50.0 <50.0 <50.0 <50.0 <50.0 < 5.00 SS02A* 02/16/2023 1 < 0.00199 < 0.00398 <49.9 <49.9 <49.9 <49.9 <49.9 <4.95 SS03* 01/25/2023 0.5 < 0.00199 < 0.00398 <49.9 <49.9 <49.9 <49.9 <49.9 <4.99 SS03A* 02/16/2023 < 0.00202 < 0.00404 <50.0 <50.0 <50.0 <50.0 <50.0 12.2 1 SS04* 01/25/2023 0.5 < 0.00199 < 0.00398 <49.9 <49.9 <49.9 <49.9 <49.9 <4.95 SS04A* 02/16/2023 1 < 0.00200 < 0.00401 <50.0 <50.0 <50.0 <50.0 <50.0 <4.97 SS05* 01/25/2023 0.5 < 0.00200 < 0.00399 <49.8 <49.8 <49.8 <49.8 <49.8 5.16 SS05A* 02/16/2023 1 < 0.00200 < 0.00399 <49.9 <49.9 <49.9 <49.9 <49.9 11.6 SS06* 0.5 < 5.05 01/25/2023 < 0.00200 < 0.00401 <50.0 <50.0 <50.0 <50.0 <50.0 SS06A* 02/16/2023 < 0.00198 < 0.00397 <49.9 <49.9 <49.9 <49.9 28.0 1 <49.9 SS07* 01/25/2023 0.5 < 0.00199 < 0.00398 <49.9 97.8 <49.9 97.8 97.8 5.68 SS07A* 02/16/2023 1 < 0.00201 < 0.00402 <49.9 <49.9 <49.9 <49.9 <49.9 8.16 SS08* 01/25/2023 0.5 < 0.00199 < 0.00398 <50.0 67.1 < 50.0 67.1 67.1 < 5.00 02/16/2023 < 0.00200 SS08A* 1 < 0.00401 <50.0 <50.0 < 50.0 <50.0 <50.0 <4.95 SS09* 02/16/2023 0.5 < 0.00199 < 0.00398 <49.9 <49.9 <49.9 <49.9 <49.9 <4.97 0.5 SS10* 02/16/2023 < 0.00198 < 0.00396 <50.0 <50.0 <50.0 <50.0 < 50.0 < 5.04 SS11* 02/16/2023 0.5 < 0.00200 < 0.00401 <50.0 <50.0 <50.0 <50.0 <50.0 <4.99 SS12* 0.5 <0.00398 <49.8 <49.8 <49.8 02/16/2023 < 0.00199 <49.8 <49.8 <4.96

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

reclamation standard for TPH in the top 4 feet is 100 mg/kg

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



APPENDIX A

Referenced Well Records



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National Water Information System: Web Interface

USGS Water Resources

GO Groundwater United States

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- Full News 🔊

Groundwater levels for the Nation



Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320629103533002

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320629103533002 25S.30E.21.33342 A

Eddy County, New Mexico Latitude 32°06'29", Longitude 103°53'30" NAD27

Land-surface elevation 3,209 feet above NAVD88

The depth of the well is 280 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1949-03-10		D	62610		2939.36	NGVD29	Р	Z			А
1949-03-10		D	62611		2941.00	NAVD88	Р	Z			Α
1949-03-10		D	72019	268,00			Р	Z			Α
1992-11-06		D	62610		2942.38	NGVD29	Р	S			А
1992-11-06		D	62611		2944.02	NAVD88	Р	S			Α
1992-11-06		D	72019	264.98			Р	S			А

Explanation

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

Questions about sites/data? Feedback on this web site

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Privacy Policies and Notices

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-02-10 14:02:27 EST 0.3 0.26 nadww02

USA.gov



APPENDIX B

Photographic Log



Photographic Log

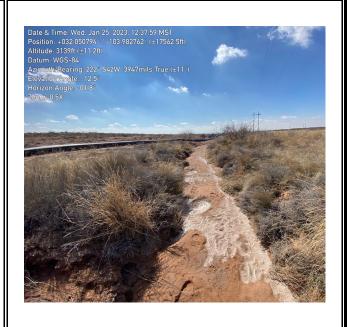
COG Operating, LLC
Cabo Wabo Federal Com 704H, 705H & 706H
Incident Number NAPP2235437148



Photograph: 1 Date: 12/16/2022

Description: Release origination location

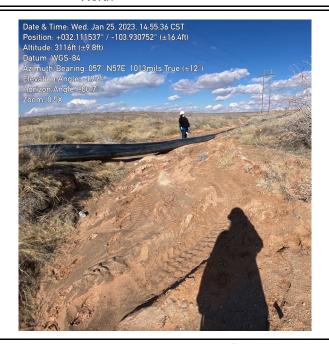
View: North



Photograph: 2 Date: 1/25/2023

Description: Soil in the release footprint

View: Southwest



Photograph: 3 Date: 1/25/2023 Description: Soil in the release footprint

View: Northeast



Photograph: 4 Date: 2/16/2023

Description: After delineation activities

View: Southwest



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/10/2023 11:58:17 AM

JOB DESCRIPTION

Cabo Wabo FC 704/705/706

JOB NUMBER

890-3961-1

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 2/10/2023 11:58:17 AM

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

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

Laboratory Job ID: 890-3961-1

Client: Ensolum Project/Site: Cabo Wabo FC 704/705/706

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QC Association Summary	20
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114

Definitions/Glossary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Qualifier Description

Qualifiers

GC	VOA
Qual	ifier

*_	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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
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.
п	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 Positive / Present POS **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

Job ID: 890-3961-1 Client: Ensolum

Project/Site: Cabo Wabo FC 704/705/706

Job ID: 890-3961-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3961-1

Receipt

The samples were received on 1/26/2023 10:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3961-1), SS02 (890-3961-2), SS03 (890-3961-3), SS04 (890-3961-4), SS05 (890-3961-5), SS06 (890-3961-6), SS07 (890-3961-7) and SS08 (890-3961-8).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-45398 and analytical batch 880-45308 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-24120-A-2-A). 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 880-45638 and analytical batch 880-45733 was outside the upper control limits.

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

HPLC/IC

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

Matrix: Solid

Lab Sample ID: 890-3961-1

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS01

Date Collected: 01/25/23 13:29 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
Toluene	< 0.00201	U *- *1	0.00201	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		02/03/23 12:58	02/05/23 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/03/23 12:58	02/05/23 02:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130			02/03/23 12:58	02/05/23 02:25	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/06/23 12:09	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (C	GC)	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/09/23 09:20	
Analyte	Result <49.9	Qualifier U	RL 49.9 (GC)	mg/Kg		<u> </u>	02/09/23 09:20	1
Analyte Total TPH	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier U nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		<u> </u>	02/09/23 09:20	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg		Prepared	02/09/23 09:20 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	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 18:01	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 02/06/23 16:38 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 18:01 02/08/23 18:01	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 02/06/23 16:38 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 18:01 02/08/23 18:01	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 02/06/23 16:38 02/06/23 16:38 02/06/23 16:38 Prepared	02/09/23 09:20 Analyzed 02/08/23 18:01 02/08/23 18:01 02/08/23 18:01 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (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 02/06/23 16:38 02/06/23 16:38 02/06/23 16:38 Prepared 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 18:01 02/08/23 18:01 02/08/23 18:01 Analyzed 02/08/23 18:01	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (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 02/06/23 16:38 02/06/23 16:38 02/06/23 16:38 Prepared 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 18:01 02/08/23 18:01 02/08/23 18:01 Analyzed 02/08/23 18:01	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: SS02 Lab Sample ID: 890-3961-2

Date Collected: 01/25/23 13:30 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		02/03/23 12:58	02/05/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/03/23 12:58	02/05/23 02:46	1

Eurofins Carlsbad

Matrix: Solid

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS02 Lab Sample ID: 890-3961-2

Date Collected: 01/25/23 13:30 Matrix: Solid Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Method: SW846 8021B	- Volatile Organic Compound	s (GC) (Continued)
motiloa. Otto-to coz ib	Tolutile Organie Compound	5 (5 5) (5 5) (11) (11)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 4-Difluorobenzene (Surr)	11.3	70 _ 130	02/03/23 12:58	02/05/23 02:46	1

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401	ma/Ka			02/06/23 12:09	1	

ı				
ı	Mathad. CIMO 4C OO4E NIM	Discal Dance	O	ADOL (CC)
1	Method: SW846 8015 NM -	Diesei Kande	Organics (L	JKULIGGE

modifical criticisc controller biocont	tango organios (Dito) (oo	• •					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			02/09/23 09:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/06/23 16:38	02/08/23 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/06/23 16:38	02/08/23 18:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/06/23 16:38	02/08/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110	70 - 130	02/06/23 16:38	02/08/23 18:23	1
o-Terphenyl	118	70 - 130	02/06/23 16:38	02/08/23 18:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/31/23 15:53	1

Client Sample ID: SS03 Lab Sample ID: 890-3961-3

Date Collected: 01/25/23 13:32 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

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

momous officers of the contract of the contrac	o organio comp		,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130			02/03/23 12:58	02/05/23 03:06	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	76	70 - 130	02/03/23 12:58	02/05/23 03:06	1
1,4-Difluorobenzene (Surr)	132 S1+	70 - 130	02/03/23 12:58	02/05/23 03:06	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			02/06/23 12:09	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			02/09/23 09:20	1

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Matrix: Solid

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Lab Sample ID: 890-3961-3 **Client Sample ID: SS03**

Date Collected: 01/25/23 13:32 Matrix: Solid Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/06/23 16:38	02/08/23 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/06/23 16:38	02/08/23 18:45	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/06/23 16:38	02/08/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			02/06/23 16:38	02/08/23 18:45	1
o-Terphenyl	103		70 - 130			02/06/23 16:38	02/08/23 18:45	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS04 Lab Sample ID: 890-3961-4 **Matrix: Solid**

4.99

mg/Kg

<4.99 U

Date Collected: 01/25/23 13:33

Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
Toluene	< 0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
Ethylbenzene	< 0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
o-Xylene	< 0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/03/23 12:58	02/05/23 03:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/03/23 12:58	02/05/23 03:26	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		-	02/06/23 12:09	1
- Total BTEX	-0.00000	J	0.00000	mg/rtg			02/00/20 12:00	
Method: SW846 8015 NM - Diese				mg/kg			02/03/20 12:00	,
• •	el Range Organ			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) (Gualifier	GC) 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) (Gualifier	GC) RL 49.9	Unit	D	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	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	Unit mg/Kg			Analyzed 02/09/23 09:20	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 Organ Result	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 49.9 (GC) RL	Unit mg/Kg		Prepared	Analyzed 02/09/23 09:20 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result sel Range Organ Result 49.9 sel Range Organ Result <49.9	ics (DRO) (Qualifier U Inics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 02/06/23 16:38	Analyzed 02/09/23 09:20 Analyzed 02/08/23 19:07	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	ics (DRO) (Qualifier U nnics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/06/23 16:38 02/06/23 16:38	Analyzed 02/09/23 09:20 Analyzed 02/08/23 19:07 02/08/23 19:07	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) (Qualifier U unics (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 02/06/23 16:38 02/06/23 16:38	Analyzed 02/09/23 09:20 Analyzed 02/08/23 19:07 02/08/23 19:07	Dil Fac Dil Fac 1

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01/31/23 15:59

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS04 Lab Sample ID: 890-3961-4

Date Collected: 01/25/23 13:33 Matrix: Solid

Date Received: 01/26/23 10:02 Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95	mg/Kg			01/31/23 16:06	1

Client Sample ID: SS05

Date Collected: 01/25/23 13:34

Lab Sample ID: 890-3961-5

Matrix: Solid

Date Collected: 01/25/23 13:34 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
Xylenes, Total	<0.00399	U *- *1	0.00399	mg/Kg		02/03/23 12:58	02/05/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			02/03/23 12:58	02/05/23 03:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/03/23 12:58	02/05/23 03:47	1
Mothod: CW946 9045 NM Diggs								
Method: SW846 8015 NM - Diese	ei Range Organ	ics (DRO) (GC)					
Analyte	•	Qualifier	GC) RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	Unit mg/Kg	D	Prepared	Analyzed 02/09/23 09:20	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	RL 49.8	mg/Kg			02/09/23 09:20	1
Analyte	Result <49.8 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.8 (GC)		<u>D</u>	Prepared	02/09/23 09:20 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier Unics (DRO) Qualifier	RL 49.8	mg/Kg			02/09/23 09:20	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga Result	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC)	mg/Kg		Prepared	02/09/23 09:20 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 Sel Range Orga Result <49.8	Qualifier U unics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8	mg/Kg Unit mg/Kg		Prepared 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 19:29	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 unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/06/23 16:38 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 19:29 02/08/23 19:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/06/23 16:38 02/06/23 16:38	02/09/23 09:20 Analyzed 02/08/23 19:29 02/08/23 19:29 02/08/23 19:29	Dil Fac

70 - 130

RL

4.97

Unit

mg/Kg

101

5.16

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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02/06/23 16:38

Prepared

D

02/08/23 19:29

Analyzed 01/31/23 16:12

Dil Fac

o-Terphenyl

Analyte

Chloride

Matrix: Solid

Lab Sample ID: 890-3961-6

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS06

Date Collected: 01/25/23 13:35 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		02/03/23 12:58	02/05/23 05:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/03/23 12:58	02/05/23 05:57	1
1,4-Difluorobenzene (Surr)	105		70 - 130			02/03/23 12:58	02/05/23 05:57	1
_ Method: TAL SOP Total BTE)	K - Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/06/23 12:09	1
-								
Method: SW846 8015 NM - Di	iesel Range Organ	ics (DRO) ((GC)					
Method: SW846 8015 NM - Di Analyte	•	ics (DRO) (0 Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/09/23 09:20	Dil Fac
Analyte Total TPH		Qualifier U	50.0		<u>D</u>	Prepared		Dil Fac
Analyte	Result <50.0 Diesel Range Orga	Qualifier U	50.0		<u>D</u>	Prepared Prepared		Dil Fac Dil Fac

Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	02/06/23 16:38	02/08/23 19:51	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130		02/06/23 16:38	02/08/23 19:51	1
o-Terphenyl	101		70 - 130		02/06/23 16:38	02/08/23 19:51	1

50.0

mg/Kg

02/06/23 16:38

02/08/23 19:51

Method: EPA 300.0 - Anions, Ion (Chromatography - Soluble
Analyte	Result Qualifier

<50.0 U

RL Unit D Prepared Analyzed Dil Fac Chloride <5.05 U 5.05 01/31/23 16:30 mg/Kg

Date Collected: 01/25/23 13:36 Date Received: 01/26/23 10:02

Client Sample ID: SS07

Diesel Range Organics (Over

C10-C28)

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 06:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/03/23 12:58	02/05/23 06:18	

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Lab Sample ID: 890-3961-7

Matrix: Solid

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS07 Lab Sample ID: 890-3961-7

Date Collected: 01/25/23 13:36

Date Received: 01/26/23 10:02

Matrix: Solid

Sample Depth: 0.5'

Method: SW846 8021B -	Volatile Organic	Compounds	(GC)	(Continued)	
monioa. Otto-to coz ib	Tolutile Organie	Compounds		(Outlineau)	

Surrogate	%Recovery Qualific	er Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107	70 - 130	02/03/23 12:58	02/05/23 06:18	1

ı	Mothod: TAL S	SOP Total BTEX	Total DTEV	Calculation
ı	Method: TAL 3	SUP IOTAL BIEX	IOTAL BIEX	Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398 U	0.00398	mg/Kg			02/06/23 12:09	1

1		
Method: SW846 8015 NM -	Discal Dance Occasion	(DDO) (CC)
I WETDOO'S WAAH AU15 NIVI .	. Diesei Ranne Ornanics	(I)R()) ((=(.)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	97.8	49.9	mg/Kg			02/10/23 10:33	1	

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

		(=::=)	()					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/07/23 09:21	02/09/23 21:25	1
Diesel Range Organics (Over C10-C28)	97.8		49.9	mg/Kg		02/07/23 09:21	02/09/23 21:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/07/23 09:21	02/09/23 21:25	1
Surrogate	%Pecovery	Qualifier	l imite			Propared	Analyzod	Dil Eac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114	70 - 130	02/07/23 09:2	02/09/23 21:25	1
o-Terphenyl	117	70 - 130	02/07/23 09:2	02/09/23 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifie		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.68	4.97	mg/Kg			01/31/23 16:36	1

Client Sample ID: SS08 Lab Sample ID: 890-3961-8

Date Collected: 01/25/23 13:38 Date Received: 01/26/23 10:02

Sample Depth: 0.5'

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

Michiga. Offoro ouz ID - folding	c Organic Comp		,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		02/03/23 12:58	02/05/23 06:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			02/03/23 12:58	02/05/23 06:38	1
1,4-Difluorobenzene (Surr)	107		70 - 130			02/03/23 12:58	02/05/23 06:38	1

Mathady TAL COR Total DTEV Total DTEV Colorilation
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			02/06/23 12:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel R	ange Ord	ianics (DRO)	(GC
---	---------	----------------	--------------	----------	----------	------	-----

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	67.1		50.0	mg/Kg			02/10/23 10:33	1

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Lab Sample ID: 890-3961-8 **Client Sample ID: SS08** Date Collected: 01/25/23 13:38

Matrix: Solid

01/31/23 16:43

Date Received: 01/26/23 10:02

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/07/23 09:21	02/09/23 22:31	1
Diesel Range Organics (Over C10-C28)	67.1		50.0	mg/Kg		02/07/23 09:21	02/09/23 22:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/07/23 09:21	02/09/23 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			02/07/23 09:21	02/09/23 22:31	1
o-Terphenyl	119		70 - 130			02/07/23 09:21	02/09/23 22:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Desuit	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.00

mg/Kg

<5.00 U

Surrogate Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptan
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-24120-A-2-C MS	Matrix Spike	105	109	
880-24120-A-2-D MSD	Matrix Spike Duplicate	111	109	
890-3961-1	SS01	114	102	
390-3961-2	SS02	117	113	
890-3961-3	SS03	76	132 S1+	
890-3961-4	SS04	125	100	
890-3961-5	SS05	107	109	
890-3961-6	SS06	110	105	
890-3961-7	SS07	115	107	
890-3961-8	SS08	115	107	
LCS 880-45398/1-A	Lab Control Sample	110	111	
LCSD 880-45398/2-A	Lab Control Sample Dup	106	110	
MB 880-45349/5-A	Method Blank	105	108	
MB 880-45398/5-A	Method Blank	108	107	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3958-A-21-D MS	Matrix Spike	122	122	
890-3958-A-21-E MSD	Matrix Spike Duplicate	121	121	
890-3961-1	SS01	105	112	
890-3961-2	SS02	110	118	
890-3961-3	SS03	92	103	
890-3961-4	SS04	90	104	
890-3961-5	SS05	91	101	
890-3961-6	SS06	88	101	
890-3961-7	SS07	114	117	
890-3961-7 MS	SS07	109	94	
890-3961-7 MSD	SS07	123	103	
890-3961-8	SS08	113	119	
LCS 880-45638/2-A	Lab Control Sample	112	105	
LCS 880-45658/2-A	Lab Control Sample	105	105	
LCSD 880-45638/3-A	Lab Control Sample Dup	103	113	
LCSD 880-45658/3-A	Lab Control Sample Dup	95	98	
MB 880-45638/1-A	Method Blank	135 S1+	143 S1+	
	Method Blank	124	126	

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OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45349/5-A **Matrix: Solid**

Analysis Batch: 45308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45349

	MB	мв						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/23 10:32	02/04/23 13:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/23 10:32	02/04/23 13:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/23 10:32	02/04/23 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/03/23 10:32	02/04/23 13:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/23 10:32	02/04/23 13:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/03/23 10:32	02/04/23 13:00	1

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	70 - 130	02/03/23 10:32	02/04/23 13:00	1
1,4-Difluorobenzene (Surr)	108	70 - 130	02/03/23 10:32	02/04/23 13:00	1

Lab Sample ID: MB 880-45398/5-A

Matrix: Solid

Analysis Batch: 45308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45398

MR MR Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 02/03/23 12:58 02/05/23 00:35 Toluene <0.00200 U 0.00200 mg/Kg 02/03/23 12:58 02/05/23 00:35 Ethylbenzene <0.00200 U 0.00200 mg/Kg 02/03/23 12:58 02/05/23 00:35 0.00400 02/03/23 12:58 02/05/23 00:35 m-Xylene & p-Xylene <0.00400 U mg/Kg <0.00200 U 0.00200 02/03/23 12:58 o-Xylene mg/Kg 02/05/23 00:35 02/05/23 00:35 Xylenes, Total <0.00400 U 0.00400 mg/Kg 02/03/23 12:58

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/03/23 12:58	02/05/23 00:35	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/03/23 12:58	02/05/23 00:35	1

Lab Sample ID: LCS 880-45398/1-A

Matrix: Solid

Analysis Batch: 45308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45398

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.04056	*_	mg/Kg		41	70 - 130	
Toluene	0.100	0.04277	*_	mg/Kg		43	70 - 130	
Ethylbenzene	0.100	0.04505	*-	mg/Kg		45	70 - 130	
m-Xylene & p-Xylene	0.200	0.09694	*_	mg/Kg		48	70 - 130	
o-Xylene	0.100	0.05225	*_	mg/Kg		52	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	110	70 _ 130
1.4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-45398/2-A

Released to Imaging: 8/3/2023 8:43:23 AM

Matrix: Solid

Analysis Batch: 45308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45398

	Spike	LCSD	LCSD				70Rec		KPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07962	*1	mg/Kg		80	70 - 130	65	35	

LCCD LCCD

Chiles

QC Sample Results

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

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

Lab Sample ID: LCSD 880-45398/2-A

Matrix: Solid Analysis Batch: 45308 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 45398

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Toluene 0.100 0.07926 *1 79 70 - 130 35 mg/Kg 60 Ethylbenzene 0.100 0.08008 *1 mg/Kg 80 70 - 130 56 35 0.200 m-Xylene & p-Xylene 0.1690 *1 mg/Kg 85 70 - 130 54 35 o-Xylene 0.100 0.08502 *1 mg/Kg 85 70 - 130 48

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-24120-A-2-C MS

Matrix: Solid

Analysis Batch: 45308

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45398

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U *- *1	0.0990	0.08419		mg/Kg		85	70 - 130	
Toluene	<0.00198	U *- *1	0.0990	0.07613		mg/Kg		77	70 - 130	
Ethylbenzene	<0.00198	U *- *1	0.0990	0.06992		mg/Kg		71	70 - 130	
m-Xylene & p-Xylene	<0.00396	U *- *1	0.198	0.1521		mg/Kg		77	70 - 130	
o-Xylene	<0.00198	U *- *1	0.0990	0.07369		mg/Kg		74	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

Lab Sample ID: 880-24120-A-2-D MSD

Matrix: Solid

Analysis Batch: 45308

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 45398

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U *- *1	0.0996	0.08984		mg/Kg		90	70 - 130	6	35
Toluene	<0.00198	U *- *1	0.0996	0.08505		mg/Kg		85	70 - 130	11	35
Ethylbenzene	<0.00198	U *- *1	0.0996	0.07616		mg/Kg		76	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U *- *1	0.199	0.1649		mg/Kg		83	70 - 130	8	35
o-Xylene	<0.00198	U *- *1	0.0996	0.07830		mg/Kg		79	70 - 130	6	35

MSD MSD

Surrogate	76Kecovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-45638/1-A

Matrix: Solid

Analysis Batch: 45733

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

Prep Batch: 45638

	MB N	MB								
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<50.0 U	J	50.0	mg/Kg		02/06/23 16:38	02/08/23 08:16	1		
(GRO)-C6-C10										

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

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

Lab Sample ID: MB 880-45638/1-A **Matrix: Solid**

Lab Sample ID: LCS 880-45638/2-A

Matrix: Solid

Analysis Batch: 45733

Analysis Batch: 45733

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 45638

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/06/23 16:38	02/08/23 08:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/06/23 16:38	02/08/23 08:16	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	02/06/23 16:38	02/08/23 08:16	1
o-Terphenyl	143	S1+	70 - 130	02/06/23 16:38	02/08/23 08:16	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45638

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 784.9 mg/Kg 78 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 959.3 70 - 130 mg/Kg 96 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-45638/3-A

Matrix: Solid Analysis Batch: 45733 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45638

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	 1000	912.0		mg/Kg		91	70 - 130	15	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1038		mg/Kg		104	70 - 130	8	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-3958-A-21-D MS

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 45638

	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	999	1243		mg/Kg		122	70 - 130	
Diesel Range Organics (Over	<49.9	U	999	1090		mg/Kg		109	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	122		70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

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

Lab Sample ID: 890-3958-A-21-E MSD

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45638

Sample Sample Spike MSD MSD RPD Result Qualifier Result Qualifier RPD Limit Analyte Added Unit %Rec Limits Gasoline Range Organics <49.9 U 997 1127 mg/Kg 111 70 - 130 10 20 (GRO)-C6-C10 997 Diesel Range Organics (Over <49.9 U 1102 mg/Kg 70 - 130 111

C10-C28)

Matrix: Solid

Analysis Batch: 45733

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	121		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45658

Lab Sample ID: MB 880-45658/1-A

Matrix: Solid

Analysis Batch: 45831

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/07/23 09:21	02/09/23 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/07/23 09:21	02/09/23 20:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/07/23 09:21	02/09/23 20:17	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	02/07/23 09:21	02/09/23 20:17	1
o-Terphenyl	126		70 - 130	02/07/23 09:21	02/09/23 20:17	1

Lab Sample ID: LCS 880-45658/2-A

Matrix: Solid

Analysis Batch: 45831

Client Sample ID: Lab	Control Sample
-----------------------	-----------------------

Prep Type: Total/NA

Prep Batch: 45658

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	885.3		mg/Kg		89	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	909.8		mg/Kg		91	70 - 130	
C10-C28)								

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 45831

Lab Sample ID: LCSD 880-45658/3-A

Prep Type: Total/NA Prep Batch: 45658

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	871.4		mg/Kg		87	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	824.8		mg/Kg		82	70 - 130	10	20
C10-C28)									

Job ID: 890-3961-1 Client: Ensolum

Project/Site: Cabo Wabo FC 704/705/706

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

Lab Sample ID: LCSD 880-45658/3-A **Matrix: Solid**

Analysis Batch: 45831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: SS07

Prep Batch: 45658

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 95 70 - 130 o-Terphenyl 98 70 - 130

Lab Sample ID: 890-3961-7 MS **Client Sample ID: SS07**

Matrix: Solid

Analysis Batch: 45831

Prep Type: Total/NA Prep Batch: 45658

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 Ū 999 902.9 88 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 867.4 77 97.8 mg/Kg 70 - 130C10-C28)

MS MS %Recovery Surrogate Qualifier Limits 109 70 - 130 1-Chlorooctane 94 70 - 130 o-Terphenyl

Lab Sample ID: 890-3961-7 MSD

Matrix: Solid

Analysis Batch: 45831

Prep Type: Total/NA Prep Batch: 45658 Sample Sample Spike MSD MSD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics <49.9 U 1000 1103 mg/Kg 108 70 - 130 20 20 (GRO)-C6-C10 Diesel Range Organics (Over 97.8 1000 952.5 mg/Kg 85 70 - 130 9 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits

70 - 130 1-Chlorooctane 123 70 - 130 o-Terphenyl 103

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45088/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45161

MB MB Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 01/31/23 15:16

Lab Sample ID: LCS 880-45088/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 45161

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	253.8		mg/Kg		102	90 - 110	

QC Sample Results

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Method: 300.0 - Anions, Ion Chromatography (Continued)

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-45088/3-A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45161

Spike LCSD LCSD %Rec RPD Added Result Qualifier RPD Limit Analyte Unit %Rec Limits Chloride 250 253.2 mg/Kg 101 90 - 110

Lab Sample ID: 890-3961-1 MS **Client Sample ID: SS01 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45161

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	7.30		253	267.7		mg/Kg		103	90 - 110	

Lab Sample ID: 890-3961-1 MSD **Client Sample ID: SS01 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45161

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	7.30		253	267.9		mg/Kg		103	90 - 110	0	20

Released to Imaging: 8/3/2023 8:43:23 AM

QC Association Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

GC VOA

Analysis Batch: 45308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	8021B	45398
890-3961-2	SS02	Total/NA	Solid	8021B	45398
890-3961-3	SS03	Total/NA	Solid	8021B	45398
890-3961-4	SS04	Total/NA	Solid	8021B	45398
890-3961-5	SS05	Total/NA	Solid	8021B	45398
890-3961-6	SS06	Total/NA	Solid	8021B	45398
890-3961-7	SS07	Total/NA	Solid	8021B	45398
890-3961-8	SS08	Total/NA	Solid	8021B	45398
MB 880-45349/5-A	Method Blank	Total/NA	Solid	8021B	45349
MB 880-45398/5-A	Method Blank	Total/NA	Solid	8021B	45398
LCS 880-45398/1-A	Lab Control Sample	Total/NA	Solid	8021B	45398
LCSD 880-45398/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45398
880-24120-A-2-C MS	Matrix Spike	Total/NA	Solid	8021B	45398
880-24120-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45398

Prep Batch: 45349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45349/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 45398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	5035	
890-3961-2	SS02	Total/NA	Solid	5035	
890-3961-3	SS03	Total/NA	Solid	5035	
890-3961-4	SS04	Total/NA	Solid	5035	
890-3961-5	SS05	Total/NA	Solid	5035	
890-3961-6	SS06	Total/NA	Solid	5035	
890-3961-7	SS07	Total/NA	Solid	5035	
890-3961-8	SS08	Total/NA	Solid	5035	
MB 880-45398/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45398/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45398/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24120-A-2-C MS	Matrix Spike	Total/NA	Solid	5035	
880-24120-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 45593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	Total BTEX	
890-3961-2	SS02	Total/NA	Solid	Total BTEX	
890-3961-3	SS03	Total/NA	Solid	Total BTEX	
890-3961-4	SS04	Total/NA	Solid	Total BTEX	
890-3961-5	SS05	Total/NA	Solid	Total BTEX	
890-3961-6	SS06	Total/NA	Solid	Total BTEX	
890-3961-7	SS07	Total/NA	Solid	Total BTEX	
890-3961-8	SS08	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

GC Semi VOA (Continued)

Prep Batch: 45638 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-2	SS02	Total/NA	Solid	8015NM Prep	
890-3961-3	SS03	Total/NA	Solid	8015NM Prep	
890-3961-4	SS04	Total/NA	Solid	8015NM Prep	
890-3961-5	SS05	Total/NA	Solid	8015NM Prep	
890-3961-6	SS06	Total/NA	Solid	8015NM Prep	
MB 880-45638/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45638/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3958-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3958-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 45658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-7	SS07	Total/NA	Solid	8015NM Prep	
890-3961-8	SS08	Total/NA	Solid	8015NM Prep	
MB 880-45658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3961-7 MS	SS07	Total/NA	Solid	8015NM Prep	
890-3961-7 MSD	SS07	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	8015B NM	45638
890-3961-2	SS02	Total/NA	Solid	8015B NM	45638
890-3961-3	SS03	Total/NA	Solid	8015B NM	45638
890-3961-4	SS04	Total/NA	Solid	8015B NM	45638
890-3961-5	SS05	Total/NA	Solid	8015B NM	45638
890-3961-6	SS06	Total/NA	Solid	8015B NM	45638
MB 880-45638/1-A	Method Blank	Total/NA	Solid	8015B NM	45638
LCS 880-45638/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45638
LCSD 880-45638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45638
890-3958-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	45638
890-3958-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45638

Analysis Batch: 45831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-7	SS07	Total/NA	Solid	8015B NM	45658
890-3961-8	SS08	Total/NA	Solid	8015B NM	45658
MB 880-45658/1-A	Method Blank	Total/NA	Solid	8015B NM	45658
LCS 880-45658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45658
LCSD 880-45658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45658
890-3961-7 MS	SS07	Total/NA	Solid	8015B NM	45658
890-3961-7 MSD	SS07	Total/NA	Solid	8015B NM	45658

Analysis Batch: 45856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Total/NA	Solid	8015 NM	
890-3961-2	SS02	Total/NA	Solid	8015 NM	
890-3961-3	SS03	Total/NA	Solid	8015 NM	
890-3961-4	SS04	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

GC Semi VOA (Continued)

Analysis Batch: 45856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-5	SS05	Total/NA	Solid	8015 NM	
890-3961-6	SS06	Total/NA	Solid	8015 NM	
890-3961-7	SS07	Total/NA	Solid	8015 NM	
890-3961-8	SS08	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Soluble	Solid	DI Leach	
890-3961-2	SS02	Soluble	Solid	DI Leach	
890-3961-3	SS03	Soluble	Solid	DI Leach	
890-3961-4	SS04	Soluble	Solid	DI Leach	
890-3961-5	SS05	Soluble	Solid	DI Leach	
890-3961-6	SS06	Soluble	Solid	DI Leach	
890-3961-7	SS07	Soluble	Solid	DI Leach	
890-3961-8	SS08	Soluble	Solid	DI Leach	
MB 880-45088/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45088/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45088/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3961-1 MS	SS01	Soluble	Solid	DI Leach	
890-3961-1 MSD	SS01	Soluble	Solid	DI Leach	

Analysis Batch: 45161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3961-1	SS01	Soluble	Solid	300.0	45088
890-3961-2	SS02	Soluble	Solid	300.0	45088
890-3961-3	SS03	Soluble	Solid	300.0	45088
890-3961-4	SS04	Soluble	Solid	300.0	45088
890-3961-5	SS05	Soluble	Solid	300.0	45088
890-3961-6	SS06	Soluble	Solid	300.0	45088
890-3961-7	SS07	Soluble	Solid	300.0	45088
890-3961-8	SS08	Soluble	Solid	300.0	45088
MB 880-45088/1-A	Method Blank	Soluble	Solid	300.0	45088
LCS 880-45088/2-A	Lab Control Sample	Soluble	Solid	300.0	45088
LCSD 880-45088/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45088
890-3961-1 MS	SS01	Soluble	Solid	300.0	45088
890-3961-1 MSD	SS01	Soluble	Solid	300.0	45088

Client Sample ID: SS01

Client: Ensolum

Date Collected: 01/25/23 13:29

Lab Sample ID: 890-3961-1

Matrix: Solid

Date Received: 01/26/23 10:02

	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 02:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45088	01/30/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1			45161	01/31/23 15:35	CH	EET MID

Client Sample ID: SS02 Lab Sample ID: 890-3961-2 Matrix: Solid

Date Collected: 01/25/23 13:30 Date Received: 01/26/23 10:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 02:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 18:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45088	01/30/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1			45161	01/31/23 15:53	CH	EET MID

Client Sample ID: SS03 Lab Sample ID: 890-3961-3

Date Collected: 01/25/23 13:32 Date Received: 01/26/23 10:02

	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 03:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 18:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45088	01/30/23 16:07	KS	EET MIC
Soluble	Analysis	300.0		1			45161	01/31/23 15:59	CH	EET MID

Client Sample ID: SS04 Lab Sample ID: 890-3961-4

Date Collected: 01/25/23 13:33 Date Received: 01/26/23 10:02

	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 03:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID

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Matrix: Solid

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Matrix: Solid

Client Sample ID: SS04 Lab Sample ID: 890-3961-4 Date Collected: 01/25/23 13:33

Matrix: Solid

Date Received: 01/26/23 10:02

	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			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45088	01/30/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1			45161	01/31/23 16:06	СН	EET MID

Client Sample ID: SS05 Lab Sample ID: 890-3961-5

Date Collected: 01/25/23 13:34 **Matrix: Solid**

Date Received: 01/26/23 10:02

	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 03:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 19:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45088	01/30/23 16:07	KS	EET MIC
Soluble	Analysis	300.0		1			45161	01/31/23 16:12	CH	EET MID

Client Sample ID: SS06 Lab Sample ID: 890-3961-6

Date Collected: 01/25/23 13:35 Date Received: 01/26/23 10:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/09/23 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45638	02/06/23 16:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45733	02/08/23 19:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45088	01/30/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1			45161	01/31/23 16:30	CH	EET MID

Lab Sample ID: 890-3961-7 Client Sample ID: SS07

Date Collected: 01/25/23 13:36 Date Received: 01/26/23 10:02

_	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/10/23 10:33	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g 1 uL	10 mL 1 uL	45658 45831	02/07/23 09:21 02/09/23 21:25	AJ SM	EET MID EET MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

Client Sample ID: SS07 Lab Sample ID: 890-3961-7

Date Collected: 01/25/23 13:36

Date Received: 01/26/23 10:02

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 5.03 g 45088 KS Leach 50 mL 01/30/23 16:07 **EET MID** 300.0 01/31/23 16:36 Soluble Analysis 1 45161 СН **EET MID**

Client Sample ID: SS08 Lab Sample ID: 890-3961-8

Date Collected: 01/25/23 13:38 Matrix: Solid

Date Received: 01/26/23 10:02

	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	45398	02/03/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45308	02/05/23 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45593	02/06/23 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45856	02/10/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45658	02/07/23 09:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45831	02/09/23 22:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45088	01/30/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1			45161	01/31/23 16:43	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

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	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

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Method Summary

Client: Ensolum Job ID: 890-3961-1

Project/Site: Cabo Wabo FC 704/705/706

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: Cabo Wabo FC 704/705/706

Job ID: 890-3961-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3961-1	SS01	Solid	01/25/23 13:29	01/26/23 10:02	0.5'
890-3961-2	SS02	Solid	01/25/23 13:30	01/26/23 10:02	0.5'
890-3961-3	SS03	Solid	01/25/23 13:32	01/26/23 10:02	0.5'
890-3961-4	SS04	Solid	01/25/23 13:33	01/26/23 10:02	0.5'
890-3961-5	SS05	Solid	01/25/23 13:34	01/26/23 10:02	0.5'
890-3961-6	SS06	Solid	01/25/23 13:35	01/26/23 10:02	0.5'
890-3961-7	SS07	Solid	01/25/23 13:36	01/26/23 10:02	0.5'
890-3961-8	SS08	Solid	01/25/23 13:38	01/26/23 10:02	0.5'

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Chain of Custody

			4	26.23 10	Start .	The state	h Green	3 Made
	Date/Time	Received by: (Signature)	Relinquished by: (Signature)		(nature)	Received by: (Signature)	Relinquished by: (Signature)	Relinquished I
		standard terms and conditions ircumstances beyond the control orced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions 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.	t company to Eurofins Xen any losses or expenses in the submitted to Eurofins X	lid purchase order from clien assume any responsibility for a charge of \$5 for each samp	shment of samples constitutes a verthe cost of samples and shall not will be applied to each project and	ils document and relinquis enco will be llable only for ninimum charge of \$85.00	Notice: Signature of th of service. Eurofins Xe of Eurofins Xenco. A n
	7470 / 7471	Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U Ni Se Ag Ti U Hg: 1631/245.1/7470	Cd Ca Cr Co Cu Fe Pb Mg Mn N d Cr Co Cu Pb Mn Mo Ni Se Ag	Sb As Ba Be B C	RA 13PPM Texas 11 AITCLP / SPLP 6010: 8RCRA	Total 200.7 / 6010 200.8 / 6020: 8RCRA Circle Method(s) and Metal(s) to be analyzed TCLP	6010 200.8 / 6020: and Metal(s) to be an	Total 200.7 / 6010 Circle Method(s) and
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	-402	0		X	0.5 0.	50 1-15-13 1329		SSO
Page	Sample Comments	S		B	d Depth Comp Cont	Matrix Sampled Sampled	Sample Identification	Sample Id
e 29	NaUH+ASCORDIC ACID. SAFC	Zac	Cocoo Cinamico Cocoo J	TEHL	e: V X	Corrected Temperature:		Total Containers:
9 ი	An Acetate+NaOn, An	Zn Acer	890-3961 Chain of Custody		17.0	N/A Temperature Reading:	eals: Yes No	Sample Custody Seals:
f 3	Na20203. Na003	Na ₂ C ₂ C		30	S. W. P	N/A Correction Factor:	als: Yes No	Cooler Custody Seals:
31	Na-S-O- NaSO) -	ara	No Thermometer ID:	act: (Yes)	Samples Received Intact:
	HOBIG -	H37C4: HT		21	Wes No	ink: Yes No Wet Ice:	Temp E	SAMPLE RECEIPT
	NaCil. Na	12004 112			the lab, if received by 4:30pm			PO #:
		HCL: HC		OC	TAT starts the day received by		7	Sampler's Name:
		Cool: Cool		<u> </u>	SIMY	103.9302 Due Date:	32.1116, -10	Project Location:
	IO DI Water: H ₂ O	None: NO			e Rush Code	Routine		Project Number:
	ervativ	Pn	ANALYSIS REQUEST		Turn Around	CABO WABO FC 704/705/706 , T	CABO WABO FO	Project Name:
	Otner	Deliverables: EDD 🔯 ADAP L		n.com, hgreen@ens	Email: kjennings@ensolum.com, hgreen@ensolum.com	1-8845 Em	1432-557	Phone:
	- KKT L Ceves IV L	Z Level III	Reportin	Midland, TX 79701	City, State ZIP:	01	Midland, TX 79701	City, State ZIP:
		State of Project: N/N		601 N Marienfeld St Suite 400	Address:	St Suite 400	601 N Marienfeld St Suite 400	Address:
	RRC Superfund	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Progran	Ensolum, LLC	Company Name:		Ensolum, LLC	Company Name:
	nts	Work Order Comments		Kalei Jennings	Bill to: (if different)	areen	Hadly C	Project Manager:
	e of	www.xenco.com Page						
	_		ock, TX (806) 794-1296 ad NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, T	Xenco	Xer	
		Work Order No:	onio. TX (210) 509-3334	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Midland, TX (Environment Testing		
2/1			as, TX (214) 902-0300	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Houston, T			eurofins

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3961-1

SDG Number:

Login Number: 3961 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	

Euronns Carisbau

Released to Imaging: 8/3/2023 8:43:23 AM

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3961-1

SDG Number:

Login Number: 3961 List Source: Eurofins Midland List Number: 2

List Creation: 01/27/23 11:00 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	

Eurofins Carlsbad

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/24/2023 2:13:06 PM

JOB DESCRIPTION

Cabo Wabo Fed Com 704-706H SDG NUMBER 03D2024144

JOB NUMBER

890-4138-1

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 2/24/2023 2:13:06 PM

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

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

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H Laboratory Job ID: 890-4138-1 SDG: 03D2024144

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Definitions/Glossary

Job ID: 890-4138-1 Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Qualifiers

GC	VOA
Qual	ifier

*+	LCS and/or LCSD is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Qualifier Description

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
11	Indicates the analyte was analyzed for but not detect

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Limit of Quantitation (DoD/DOE)

Glossary

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

MQL NC

DLC

EDL

LOD

LOQ

MCL MDA

MDC MDL

MI

MPN

Method Quantitation Limit 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 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: Cabo Wabo Fed Com 704-706H

Job ID: 890-4138-1

SDG: 03D2024144

Job ID: 890-4138-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4138-1

Receipt

The samples were received on 2/17/2023 3:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01A (890-4138-1), SS02A (890-4138-2), SS03A (890-4138-3), SS04A (890-4138-4), SS05A (890-4138-5), SS06A (890-4138-6), SS07A (890-4138-7), SS08A (890-4138-8), SS09 (890-4138-9), SS10 (890-4138-10), SS11 (890-4138-11) and SS12 (890-4138-12).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-46929 and analytical batch 880-46928 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-46948 and analytical batch 880-46925 recovered outside control limits for the following analytes: Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01A (890-4138-1), SS02A (890-4138-2), SS03A (890-4138-3), SS04A (890-4138-4), SS05A (890-4138-5), SS06A (890-4138-6), SS07A (890-4138-7), SS08A (890-4138-8), (CCV 880-46925/20), (CCV 880-46925/33), (CCV 880-46925/51), (LCS 880-46948/1-A), (LCSD 880-46948/2-A), (880-25049-A-1-I), (880-25049-A-1-J MS) and (880-25049-A-1-K MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS09 (890-4138-9) and SS10 (890-4138-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-47117/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum Job ID: 890-4138-1 SDG: 03D2024144

Project/Site: Cabo Wabo Fed Com 704-706H

Client Sample ID: SS01A Lab Sample ID: 890-4138-1 Date Collected: 02/16/23 09:25 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
Toluene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
Ethylbenzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
m-Xylene & p-Xylene	< 0.00396	U *+	0.00396	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
o-Xylene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
Xylenes, Total	<0.00396	U *+	0.00396	mg/Kg		02/22/23 14:24	02/23/23 07:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	206	S1+	70 - 130			02/22/23 14:24	02/23/23 07:16	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130			02/22/23 14:24	02/23/23 07:16	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/23/23 12:26	1
Analyte	Result	Qualifier	RL	Unit	D	Prepared	A so a la ses al	
Total TDLI		11				Trepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8	mg/Kg	_ =	Troparea	02/24/23 13:21	
: Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	49.8 (GC)	mg/Kg			02/24/23 13:21	1
Method: SW846 8015B NM - Die Analyte	sel Range Orga Result	nics (DRO) Qualifier	49.8 (GC)	mg/Kg		Prepared	02/24/23 13:21 Analyzed	1 Dil Fac
- -	sel Range Orga	nics (DRO) Qualifier	49.8 (GC)	mg/Kg			02/24/23 13:21	1 Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	sel Range Orga Result	nics (DRO) Qualifier	49.8 (GC)	mg/Kg		Prepared	02/24/23 13:21 Analyzed	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.8	nics (DRO) Qualifier U	(GC) RL 49.8	mg/Kg Unit mg/Kg		Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/23/23 21:37	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.8	nics (DRO) Qualifier U U	49.8 (GC) RL 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07	02/24/23 13:21 Analyzed 02/23/23 21:37 02/23/23 21:37	1 Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U U	49.8 (GC) RL 49.8 49.8 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07	02/24/23 13:21 Analyzed 02/23/23 21:37 02/23/23 21:37 02/23/23 21:37	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U U	49.8 (GC) RL 49.8 49.8 49.8 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared	02/24/23 13:21 Analyzed 02/23/23 21:37 02/23/23 21:37 02/23/23 21:37 Analyzed	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <49.8	U Qualifier U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/23/23 21:37 02/23/23 21:37 02/23/23 21:37 Analyzed 02/23/23 21:37	1 Dil Fac
Method: SW846 8015B NM - Die 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 <49.8 <49.8 <49.8 49.8 70 70 70 70 70 70 70 70 70 7	U Qualifier U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/23/23 21:37 02/23/23 21:37 02/23/23 21:37 Analyzed 02/23/23 21:37	Dil Fac

Lab Sample ID: 890-4138-2 Client Sample ID: SS02A

Date Collected: 02/16/23 09:30 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
Toluene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
Ethylbenzene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
o-Xylene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
Xylenes, Total	<0.00398	U *+	0.00398	mg/Kg		02/22/23 14:24	02/23/23 07:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	218	S1+	70 - 130			02/22/23 14:24	02/23/23 07:42	1

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Matrix: Solid

Job ID: 890-4138-1

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS02A Lab Sample ID: 890-4138-2

Date Collected: 02/16/23 09:30 **Matrix: Solid** Date Received: 02/17/23 15:27

Sample Depth: 1'

Method: SW846 8021B	- Volatile Organic	Compounds (GC)	(Continued)
moundar official contract	Tolumo Organio	oompounae (,	(Continuou,

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 4-Difluorobenzene (Surr)	78	70 130	02/22/23 14:24	02/23/23 07:42	

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	ma/Ka			02/23/23 12:26	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			02/24/23 13:21	1

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

		(,	\ - - /					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 22:43	1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 22:43	1
C10-C28) OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 22:43	1
Surrogato	%Pacayary	Qualifier	l imite			Propared	Analyzed	Dil Eac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100	70 - 130	02/23/23 17:07	02/23/23 22:43	1
o-Terphenyl	112	70 - 130	02/23/23 17:07	02/23/23 22:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95	mg/Kg			02/23/23 07:04	1

Lab Sample ID: 890-4138-3 Client Sample ID: SS03A

Date Collected: 02/16/23 09:40 Date Received: 02/17/23 15:27

Sample Depth: 1'

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

	_ :				_			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
Toluene	<0.00202	U *+	0.00202	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
Xylenes, Total	<0.00404	U *+	0.00404	mg/Kg		02/22/23 14:24	02/23/23 08:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130			02/22/23 14:24	02/23/23 08:09	1
4 4 8 5 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			70 400			00/00/00 4404	00/00/00 00	

1,4-Difluorobenzene (Surr)	76	70 - 130	02/22/23 14:24	02/23/23 08:09
_				

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/23/23 12:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/24/23 13:21	1

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Matrix: Solid

Lab Sample ID: 890-4138-3

02/23/23 07:10

Job ID: 890-4138-1

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS03A

Date Collected: 02/16/23 09:40 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 23:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			02/23/23 17:07	02/23/23 23:06	1
o-Terphenyl	115		70 - 130			02/23/23 17:07	02/23/23 23:06	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS04A Lab Sample ID: 890-4138-4 Date Collected: 02/16/23 09:45 Matrix: Solid

5.01

12.2

mg/Kg

Date Received: 02/17/23 15:27

Sample Depth: 1'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
Toluene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
Ethylbenzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
Xylenes, Total	<0.00401	U *+	0.00401	mg/Kg		02/22/23 14:24	02/23/23 09:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130			02/22/23 14:24	02/23/23 09:02	1
1,4-Difluorobenzene (Surr)	81		70 - 130			02/22/23 14:24	02/23/23 09:02	1
T I.D.T.E.V								
Total BTEX Method: SW846 8015 NM - Diese		ics (DRO) (•	mg/Kg			02/23/23 12:26	
Method: SW846 8015 NM - Diese Analyte	I Range Organ Result	ics (DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	I Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.0		D	Prepared Prepared	Analyzed 02/24/23 13:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	I Range Organ Result <50.0 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 50.0	Unit mg/Kg			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	I Range Organ Result <50.0 sel Range Organ Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 02/24/23 13:21 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)	I Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 02/23/23 17:07	Analyzed 02/24/23 13:21 Analyzed 02/23/23 23:27	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	I 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 02/23/23 17:07 02/23/23 17:07	Analyzed 02/24/23 13:21 Analyzed 02/23/23 23:27 02/23/23 23:27	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)	I Range Organ Result 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 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07	Analyzed 02/24/23 13:21 Analyzed 02/23/23 23:27 02/23/23 23:27 02/23/23 23:27	Dil Fac

Lab Sample ID: 890-4138-4

Client Sample Results

Client: Ensolum Job ID: 890-4138-1

Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS04A

Date Collected: 02/16/23 09:45 Date Received: 02/17/23 15:27

Sample Depth: 1'

١	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	<4.97	U	4.97	mg/Kg			02/23/23 07:17	1	

Client Sample ID: SS05A Lab Sample ID: 890-4138-5 Matrix: Solid

Date Collected: 02/16/23 09:55 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:29	1
Toluene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:29	1
Ethylbenzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:29	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399	mg/Kg		02/22/23 14:24	02/23/23 09:29	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 09:29	1
Xylenes, Total	<0.00399	U *+	0.00399	mg/Kg		02/22/23 14:24	02/23/23 09:29	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130			02/22/23 14:24	02/23/23 09:29	
1,4-Difluorobenzene (Surr)	73		70 - 130			02/22/23 14:24	02/23/23 09:29	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			02/23/23 12:26	1
Analyte Total TPH		Qualifier U	49.9	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/24/23 13:21	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/24/23 13:21	1
Method: SW846 8015B NM - Dies			• •		_			D.: E
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 23:50	1
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 23:50	1
C10-C28)				99				
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/23/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			02/23/23 17:07	02/23/23 23:50	1
o-Terphenyl	114		70 - 130			02/23/23 17:07	02/23/23 23:50	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Released to Imaging: 8/3/2023 8:43:23 AM

Lab Sample ID: 890-4138-6

Job ID: 890-4138-1

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS06A

Date Collected: 02/16/23 10:00 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
Toluene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
Ethylbenzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
o-Xylene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
Xylenes, Total	<0.00397	U *+	0.00397	mg/Kg		02/22/23 14:24	02/23/23 09:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130			02/22/23 14:24	02/23/23 09:55	1
1,4-Difluorobenzene (Surr)	71		70 - 130			02/22/23 14:24	02/23/23 09:55	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00397	U	0.00397	mg/Kg			02/23/23 12:26	1
Method: SW846 8015 NM - Diese	al Range Organ	ics (DRO) ((30)					
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (0 Qualifier	GC)	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/24/23 13:21	Dil Fac
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		<u> </u>	02/24/23 13:21	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg		Prepared	02/24/23 13:21 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/24/23 00:11	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 02/23/23 17:07 02/23/23 17:07	02/24/23 13:21 Analyzed 02/24/23 00:11 02/24/23 00:11	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 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07	02/24/23 13:21 Analyzed 02/24/23 00:11 02/24/23 00:11	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared	02/24/23 13:21 Analyzed 02/24/23 00:11 02/24/23 00:11 02/24/23 00:11 Analyzed	1 Dil Fac 1 1 1 Dil Fac 2 1
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 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 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/24/23 00:11 02/24/23 00:11 02/24/23 00:11 Analyzed 02/24/23 00:11	1 Dil Fac 1 1 1 Dil Fac 2 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (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 02/23/23 17:07 02/23/23 17:07 02/23/23 17:07 Prepared 02/23/23 17:07	02/24/23 13:21 Analyzed 02/24/23 00:11 02/24/23 00:11 02/24/23 00:11 Analyzed 02/24/23 00:11	Dil Fac 1 1 Dil Fac Dil Fac

Client Sample ID: SS07A Lab Sample ID: 890-4138-7

Date Collected: 02/16/23 09:50 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
Toluene	<0.00201	U *+	0.00201	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
Ethylbenzene	<0.00201	U *+	0.00201	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg		02/22/23 14:24	02/23/23 10:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130			02/22/23 14:24	02/23/23 10:21	

Eurofins Carlsbad

Matrix: Solid

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS07A Lab Sample ID: 890-4138-7

Date Collected: 02/16/23 09:50 Date Received: 02/17/23 15:27

Sample Depth: 1'

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

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78	70 _ 130	02/22/23 14:24	02/23/23 10:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/23/23 12:26	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			02/24/23 13:21	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		02/23/23 17:07	02/24/23 00:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/24/23 00:33	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/24/23 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90	70 - 130	02/23/23 17:07	02/24/23 00:33	1
o-Terphenyl	100	70 - 130	02/23/23 17:07	02/24/23 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.16		4.95	mg/Kg			02/23/23 08:00	1

Client Sample ID: SS08A Lab Sample ID: 890-4138-8

Date Collected: 02/16/23 09:35 Date Received: 02/17/23 15:27

Sample Depth: 1'

Mothodi CIMOAC 0004D	Valatila Organia Campaunda //	

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
Toluene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
Ethylbenzene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
Xylenes, Total	<0.00401	U *+	0.00401	mg/Kg		02/22/23 14:24	02/23/23 10:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130			02/22/23 14:24	02/23/23 10:47	1
1,4-Difluorobenzene (Surr)	74		70 - 130			02/22/23 14:24	02/23/23 10:47	1

Method: TAL SOP Total RTEX - Total RTEX (Coloulation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	ma/Ka			02/23/23 12:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/24/23 13:21	1

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Matrix: Solid

Lab Sample ID: 890-4138-8

02/23/23 08:06

Job ID: 890-4138-1

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS08A

Date Collected: 02/16/23 09:35 Date Received: 02/17/23 15:27

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 00:55	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 00:55	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 00:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			02/23/23 17:07	02/24/23 00:55	1
o-Terphenyl	104		70 - 130			02/23/23 17:07	02/24/23 00:55	1
o-Terphenyl	104							
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е					

Client Sample ID: SS09 Lab Sample ID: 890-4138-9 Matrix: Solid

4.95

mg/Kg

<4.95 U

Date Collected: 02/16/23 11:05 Date Received: 02/17/23 15:27

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
Toluene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
Ethylbenzene	< 0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
o-Xylene	<0.00199	U *+	0.00199	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
Xylenes, Total	<0.00398	U *+	0.00398	mg/Kg		02/22/23 14:24	02/23/23 11:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	229	S1+	70 - 130			02/22/23 14:24	02/23/23 11:13	1
1,4-Difluorobenzene (Surr)	73		70 - 130			02/22/23 14:24	02/23/23 11:13	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			02/23/23 12:26	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			02/24/23 13:21	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	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/24/23 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/24/23 01:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/23/23 17:07	02/24/23 01:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			02/23/23 17:07	02/24/23 01:17	1

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS09 Date Collected: 02/16/23 11:05 Lab Sample ID: 890-4138-9

Date Received: 02/17/23 15:27

Matrix: Solid

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chr	omatograp	hy - Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97	mg/Kg			02/23/23 08:12	1

Client Sample ID: SS10 Lab Sample ID: 890-4138-10

Date Collected: 02/16/23 11:10 Date Received: 02/17/23 15:27

Matrix: Solid

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
Toluene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
Ethylbenzene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
m-Xylene & p-Xylene	< 0.00396	U *+	0.00396	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
o-Xylene	<0.00198	U *+	0.00198	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
Xylenes, Total	<0.00396	U *+	0.00396	mg/Kg		02/22/23 14:24	02/23/23 11:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	216	S1+	70 - 130			02/22/23 14:24	02/23/23 11:39	1
1,4-Difluorobenzene (Surr)	74		70 - 130			02/22/23 14:24	02/23/23 11:39	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	ma/Ka			02/23/23 12:26	

١	Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (GO	()					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0	U	50.0	mg/Kg			02/24/23 13:21	1
	Method: SW846 8015B NM - Diese		nics (DRO) (C	SC)		_			

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 01:39	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			02/23/23 17:07	02/24/23 01:39	1
o-Terphenyl	105		70 - 130			02/23/23 17:07	02/24/23 01:39	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04	mg/Kg			02/23/23 08:18	1

Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H

Job ID: 890-4138-1 SDG: 03D2024144

02/23/23 17:07

02/24/23 02:23

Client Sample ID: SS11 Lab Sample ID: 890-4138-11 Date Collected: 02/16/23 11:15

Matrix: Solid

Sample Depth: 0.5'

Date Received: 02/17/23 15:27

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/22/23 09:16	02/23/23 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			02/22/23 09:16	02/23/23 03:33	1
1,4-Difluorobenzene (Surr)	114		70 - 130			02/22/23 09:16	02/23/23 03:33	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/23/23 12:18	1
_								

Method: SW846 8015 NM - Diesel R	ange Organic	cs (DRO) (G	C)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/24/23 13:21	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 02:23	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 02:23	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/24/23 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			02/23/23 17:07	02/24/23 02:23	

							
Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

70 - 130

Chloride <4.99 U 4.99 mg/Kg 02/23/23 08:24 **Client Sample ID: SS12** Lab Sample ID: 890-4138-12

Date Collected: 02/16/23 11:20 Date Received: 02/17/23 15:27

Sample Depth: 0.5'

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/22/23 09:16	02/23/23 03:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/22/23 09:16	02/23/23 03:54	1

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Matrix: Solid

Dil Fac

Analyzed

02/23/23 08:30

Client Sample Results

Client: Ensolum Job ID: 890-4138-1
Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Client Sample ID: SS12 Lab Sample ID: 890-4138-12

Matrix: Solid

Date Collected: 02/16/23 11:20
Date Received: 02/17/23 15:27
Sample Depth: 0.5'

Result Qualifier

<4.96 U

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	115		70 - 130			02/22/23 09:16	02/23/23 03:54	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/23/23 12:18	1
Method: SW846 8015 NM - Diese	el Range Organi	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/24/23 13:21	1
Method: SW846 8015B NM - Dies	Result	Qualifier	RL	Unit	<u>D</u>	Prepared 17.07	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier		Unit mg/Kg	<u>D</u>	Prepared 02/23/23 17:07	Analyzed 02/24/23 02:45	Dil Fac
Analyte Gasoline Range Organics GRO)-C6-C10	Result	Qualifier U	RL	mg/Kg	<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8	Qualifier U	RL 49.8		<u>D</u>	02/23/23 17:07	02/24/23 02:45	Dil Fac
	Result <49.8	Qualifier U	RL 49.8	mg/Kg	<u>D</u>	02/23/23 17:07	02/24/23 02:45	Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U U	RL 49.8 49.8	mg/Kg	<u>D</u>	02/23/23 17:07	02/24/23 02:45	Dil Fac 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8 <49.8	Qualifier U U U	RL 49.8 49.8 49.8	mg/Kg	<u>D</u>	02/23/23 17:07 02/23/23 17:07 02/23/23 17:07	02/24/23 02:45 02/24/23 02:45 02/24/23 02:45	1 1

4.96

Unit

mg/Kg

Prepared

Analyte

Chloride

Surrogate Summary

Client: Ensolum
Project/Site: Cabo Wabo Fed Com 704-706H
SDG: 03D2024144

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits
₋ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-25049-A-1-J MS	Matrix Spike	180 S1+	81	. — — — — — —
30-25049-A-1-K MSD	Matrix Spike Duplicate	187 S1+	80	
90-4123-A-1-B MS	Matrix Spike	82	85	
90-4123-A-1-C MSD	Matrix Spike Duplicate	100	108	
90-4138-1	SS01A	206 S1+	68 S1-	
90-4138-2	SS02A	218 S1+	78	
0-4138-3	SS03A	199 S1+	76	
10-4138-4	SS04A	178 S1+	81	
00-4138-5	SS05A	204 S1+	73	
90-4138-6	SS06A	208 S1+	73	
90-4138-7	SS07A	230 S1+	78	
0-4138-8	SS08A	215 S1+	76 74	
90-4138-9	SS00A SS09	229 S1+	73	
0-4138-10	SS10	216 S1+	73 74	
90-4138-10 90-4138-11	SS11	123	114	
0-4138-11	SS12	113	115	
0-4138-12 CS 880-46929/1-A		92	107	
	Lab Control Sample			
CS 880-46948/1-A	Lab Control Sample	199 S1+	83	
CSD 880-46929/2-A	Lab Control Sample Dup	103	110	
CSD 880-46948/2-A	Lab Control Sample Dup	197 S1+	82	
IB 880-46866/5-A	Method Blank	113	75	
IB 880-46868/5-A	Method Blank	82	104	
MB 880-46929/5-A	Method Blank	85	99	
1B 880-46948/5-A	Method Blank	125	71	

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)
		1001	OTPH1	
₋ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-4138-1	SS01A	96	108	
390-4138-1 MS	SS01A	99	97	
90-4138-1 MSD	SS01A	101	100	
390-4138-2	SS02A	100	112	
390-4138-3	SS03A	104	115	
90-4138-4	SS04A	91	101	
390-4138-5	SS05A	102	114	
90-4138-6	SS06A	93	106	
90-4138-7	SS07A	90	100	
90-4138-8	SS08A	92	104	
90-4138-9	SS09	90	100	
90-4138-10	SS10	87	105	
90-4138-11	SS11	90	99	
90-4138-12	SS12	86	94	
CS 880-47117/2-A	Lab Control Sample	97	104	

OTPH = o-Terphenyl

Surrogate Summary

Client: EnsolumJob ID: 890-4138-1Project/Site: Cabo Wabo Fed Com 704-706HSDG: 03D2024144

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 880-47117/3-A	Lab Control Sample Dup	95	103	
MB 880-47117/1-A	Method Blank	132 S1+	155 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				

7

9

12

13

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

Method: 8021B - Volatile Organic Compounds (GC)

<0.00400 U

Lab Sample ID: MB 880-46866/5-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 46925

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

						Prep Batch	n: 46866
MB	MB						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		02/21/23 14:31	02/22/23 11:37	1
<0.00200	U	0.00200	mg/Kg		02/21/23 14:31	02/22/23 11:37	1
<0.00200	U	0.00200	mg/Kg		02/21/23 14:31	02/22/23 11:37	1
<0.00400	U	0.00400	mg/Kg		02/21/23 14:31	02/22/23 11:37	1
<0.00200	U	0.00200	mg/Kg		02/21/23 14:31	02/22/23 11:37	1

mg/Kg

02/21/23 14:31

02/22/23 11:37

MB MB Qualifier Surrogate %Recovery Limits Prepared Dil Fac Analyzed 70 - 130 113 02/21/23 14:31 02/22/23 11:37 4-Bromofluorobenzene (Surr) 75 70 - 130 02/21/23 14:31 02/22/23 11:37 1,4-Difluorobenzene (Surr)

0.00400

Lab Sample ID: MB 880-46868/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 46928

	IVIB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/21/23 14:34	02/22/23 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/21/23 14:34	02/22/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/21/23 14:34	02/22/23 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/21/23 14:34	02/22/23 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/21/23 14:34	02/22/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/21/23 14:34	02/22/23 11:49	1

MR MR %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 82 70 - 130 02/21/23 14:34 02/22/23 11:49 4-Bromofluorobenzene (Surr) 70 - 130 02/21/23 14:34 02/22/23 11:49 1,4-Difluorobenzene (Surr) 104

Lab Sample ID: MB 880-46929/5-A Client Sample ID: Method Blank Matrix: Solid

Analysis Batch: 46928

zed Dil Fac
3 02:51 1
3 02:51 1
3 02:51 1
3 02:51 1
3 02:51 1
3 02:51 1
23 23 23 23

	IVID IVID				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	70 - 130	02/22/23 09:16	02/23/23 02:51	1
1,4-Difluorobenzene (Surr)	99	70 - 130	02/22/23 09:16	02/23/23 02:51	1

Eurofins Carlsbad

Prep Type: Total/NA

Prep Batch: 46868

Prep Batch: 46929

QC Sample Results

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

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

Lab Sample ID: LCS 880-46929/1-A

Matrix: Solid Analysis Batch: 46928 **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 46929

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1023		mg/Kg		102	70 - 130	
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	
Ethylbenzene	0.100	0.09373		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	0.200	0.1915		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.09836		mg/Kg		98	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46929

Analysis Batch: 46928 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits RPD Limit Unit %Rec Benzene 0.100 0.1102 mg/Kg 110 70 - 130 7 35 Toluene 0.100 0.1089 mg/Kg 109 70 - 130 35 0.100 0.1027 70 - 130 Ethylbenzene mg/Kg 103 9 35 0.200 0.2128 70 - 130 m-Xylene & p-Xylene mg/Kg 106 11 35 0.100 0.1094 109 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery Quali	fier Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	110	70 - 130

Lab Sample ID: 890-4123-A-1-B MS

Lab Sample ID: LCSD 880-46929/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 46928

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 46929

١		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	<0.00202	U F2 F1	0.101	0.04951	F1	mg/Kg		49	70 - 130	
	Toluene	0.00490	F1	0.101	0.07116	F1	mg/Kg		66	70 - 130	
	Ethylbenzene	0.00362		0.101	0.07403		mg/Kg		70	70 - 130	
İ	m-Xylene & p-Xylene	0.00658	F1	0.202	0.1234	F1	mg/Kg		58	70 - 130	
	o-Xylene	0.00316	F1	0.101	0.06386	F1	mg/Kg		60	70 - 130	
1											

MS MS

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	82	70 - 130
1,4-Difluorobenzene (Surr)	85	70 - 130

Lab Sample ID: 890-4123-A-1-C MSD

Matrix: Solid

Analysis Batch: 46928

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 46929

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F2 F1	0.0992	0.09288	F2	mg/Kg		93	70 - 130	61	35
Toluene	0.00490	F1	0.0992	0.09288		mg/Kg		89	70 - 130	26	35
Ethylbenzene	0.00362		0.0992	0.08391		mg/Kg		81	70 - 130	13	35

Client: Ensolum

Job ID: 890-4138-1

SDG: 03D2024144

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

Lab Sample ID: 890-4123-A-1-C MSD **Matrix: Solid**

Project/Site: Cabo Wabo Fed Com 704-706H

Analysis Batch: 46928

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 46929

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	0.00658	F1	0.198	0.1714		mg/Kg		83	70 - 130	33	35
o-Xylene	0.00316	F1	0.0992	0.08869		mg/Kg		86	70 - 130	33	35

MSD MSD

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	108	70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46948

Lab Sample ID: MB 880-46948/5-A

Matrix: Solid

Analysis Batch: 46925

	INID	INID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/22/23 14:24	02/23/23 01:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/22/23 14:24	02/23/23 01:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/22/23 14:24	02/23/23 01:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/22/23 14:24	02/23/23 01:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/22/23 14:24	02/23/23 01:12	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		02/22/23 14:24	02/23/23 01:12	1

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125	70 - 130	02/22/23 14:24	02/23/23 01:12	1
1,4-Difluorobenzene (Surr)	71	70 - 130	02/22/23 14:24	02/23/23 01:12	1

Lab Sample ID: LCS 880-46948/1-A

Matrix: Solid

Analysis Batch: 46925

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

Prep Batch: 46948

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1279		mg/Kg		128	70 - 130	
Toluene	0.100	0.1292		mg/Kg		129	70 - 130	
Ethylbenzene	0.100	0.1268		mg/Kg		127	70 - 130	
m-Xylene & p-Xylene	0.200	0.2592		mg/Kg		130	70 - 130	
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-46948/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 46925

Prep Type: Total/NA Prep Batch: 46948

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1457	*+	mg/Kg	_	146	70 - 130	13	35
Toluene	0.100	0.1491	*+	mg/Kg		149	70 - 130	14	35
Ethylbenzene	0.100	0.1497	*+	mg/Kg		150	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.3065	*+	mg/Kg		153	70 - 130	17	35
o-Xylene	0.100	0.1486	*+	mg/Kg		149	70 - 130	18	35

QC Sample Results

Client: Ensolum Job ID: 890-4138-1 SDG: 03D2024144 Project/Site: Cabo Wabo Fed Com 704-706H

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-25049-A-1-J MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 46925

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U *+	0.101	0.1225		mg/Kg		122	70 - 130	
Toluene	<0.00198	U *+	0.101	0.1220		mg/Kg		121	70 - 130	
Ethylbenzene	<0.00198	U *+	0.101	0.1226		mg/Kg		122	70 - 130	
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.2506		mg/Kg		124	70 - 130	
o-Xylene	<0.00198	U *+	0.101	0.1188		mg/Kg		118	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 180 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 81 70 - 130

Lab Sample ID: 880-25049-A-1-K MSD

Matrix: Solid

Analysis Batch: 46925

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

Prep Batch: 46948

Prep Batch: 46948

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U *+	0.0992	0.1275		mg/Kg		129	70 - 130	4	35
Toluene	<0.00198	U *+	0.0992	0.1178		mg/Kg		119	70 - 130	4	35
Ethylbenzene	<0.00198	U *+	0.0992	0.1169		mg/Kg		118	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U *+	0.198	0.2401		mg/Kg		121	70 - 130	4	35
o-Xylene	<0.00198	U *+	0.0992	0.1168		mg/Kg		118	70 - 130	2	35

MSD MSD Surrogate %Recovery Qualifier Limits 187 S1+ 70 - 130 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

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

Lab Sample ID: MB 880-47117/1-A

Matrix: Solid

Analysis Batch: 46994

Client Sample ID: Method Blank
Prep Type: Total/NA
Door Details 47447

Prep Batch: 47117

ı		IVID	IVID						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 20:30	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 20:30	1
	C10-C28)								
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/23/23 17:07	02/23/23 20:30	1
1									

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	02/23/23 17:07	02/23/23 20:30	1
o-Terphenyl	155	S1+	70 - 130	02/23/23 17:07	02/23/23 20:30	1

Lab Sample ID: LCS 880-47117/2-A

QC Sample Results

Client: Ensolum Job ID: 890-4138-1 SDG: 03D2024144 Project/Site: Cabo Wabo Fed Com 704-706H

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47117

	Spike	LCS LCS			%Rec	
Analyte	Added	Result Qualifier	Unit D	%Rec	Limits	
Gasoline Range Organics	1000	1169	mg/Kg	117	70 - 130	
(GRO)-C6-C10						
Diesel Range Organics (Over	1000	1008	mg/Kg	101	70 - 130	
C10-C28)						

Matrix: Solid

Analysis Batch: 46994

LCS LCS

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47117

Lab Sample ID: LCSD 880-47117/3-A Matrix: Solid

Analysis Batch: 46994

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	 	1000	1067		mg/Kg		107	70 - 130	9	20
(GRO)-C6-C10										
Diesel Range Organics (Over		1000	999.2		mg/Kg		100	70 - 130	1	20

C10-C28)

	LUJD	LUSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-4138-1 MS Client Sample ID: SS01A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 46994 Prep Batch: 47117

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U	1000	969.6		mg/Kg		92	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.8	U	1000	936.4		mg/Kg		92	70 - 130	

C10-C28)

	IVIS IVIS	
Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	99	70 - 130
o-Terphenyl	97	70 - 130

Lab Sample ID: 890-4138-1 MSD Client Sample ID: SS01A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 46994									Prep	Batch:	47117
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.8	U	1000	997.9		mg/Kg		95	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.8	U	1000	967.7		mg/Kg		95	70 - 130	3	20

C10-C28)

	MSD		
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130

Lab Sample ID: 890-4138-1 MSD

Job ID: 890-4138-1 Client: Ensolum Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

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

Matrix: Solid

Analysis Batch: 46994

Client Sample ID: SS01A Prep Type: Total/NA Prep Batch: 47117

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 100 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46849/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 46986 MB MB

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared 5.00 Chloride <5.00 02/23/23 05:32 U mg/Kg

Lab Sample ID: LCS 880-46849/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 46986

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Chloride 250 238.4 mg/Kg 95 90 - 110

Lab Sample ID: LCSD 880-46849/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 46986

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 238.2 90 - 110 mg/Kg

Lab Sample ID: 890-4138-4 MS Client Sample ID: SS04A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 46986

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride <4.97 U 249 241.0 96 90 - 110 mg/Kg

Lab Sample ID: 890-4138-4 MSD

Matrix: Solid

Analysis Batch: 46986

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Qualifier Limits RPD Limit Result Unit %Rec Chloride <4.97 U 249 96 90 - 110 241.2 20 mg/Kg

Eurofins Carlsbad

Client Sample ID: SS04A

Prep Type: Soluble

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

GC VOA

Prep Batch:	46866
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46866/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 46868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46868/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 46925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Total/NA	Solid	8021B	46948
890-4138-2	SS02A	Total/NA	Solid	8021B	46948
890-4138-3	SS03A	Total/NA	Solid	8021B	46948
890-4138-4	SS04A	Total/NA	Solid	8021B	46948
890-4138-5	SS05A	Total/NA	Solid	8021B	46948
890-4138-6	SS06A	Total/NA	Solid	8021B	46948
890-4138-7	SS07A	Total/NA	Solid	8021B	46948
890-4138-8	SS08A	Total/NA	Solid	8021B	46948
890-4138-9	SS09	Total/NA	Solid	8021B	46948
890-4138-10	SS10	Total/NA	Solid	8021B	46948
MB 880-46866/5-A	Method Blank	Total/NA	Solid	8021B	46866
MB 880-46948/5-A	Method Blank	Total/NA	Solid	8021B	46948
LCS 880-46948/1-A	Lab Control Sample	Total/NA	Solid	8021B	46948
LCSD 880-46948/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46948
880-25049-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	46948
880-25049-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46948

Analysis Batch: 46928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-11	SS11	Total/NA	Solid	8021B	46929
890-4138-12	SS12	Total/NA	Solid	8021B	46929
MB 880-46868/5-A	Method Blank	Total/NA	Solid	8021B	46868
MB 880-46929/5-A	Method Blank	Total/NA	Solid	8021B	46929
LCS 880-46929/1-A	Lab Control Sample	Total/NA	Solid	8021B	46929
LCSD 880-46929/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46929
890-4123-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	46929
890-4123-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46929

Prep Batch: 46929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-11	SS11	Total/NA	Solid	5035	
890-4138-12	SS12	Total/NA	Solid	5035	
MB 880-46929/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46929/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46929/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4123-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4123-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 46948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Total/NA	Solid	5035	
890-4138-2	SS02A	Total/NA	Solid	5035	
890-4138-3	SS03A	Total/NA	Solid	5035	

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H SDG: 03D2024144

GC VOA (Continued)

Prep Batch: 46948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-4	SS04A	Total/NA	Solid	5035	_
890-4138-5	SS05A	Total/NA	Solid	5035	
890-4138-6	SS06A	Total/NA	Solid	5035	
890-4138-7	SS07A	Total/NA	Solid	5035	
890-4138-8	SS08A	Total/NA	Solid	5035	
890-4138-9	SS09	Total/NA	Solid	5035	
890-4138-10	SS10	Total/NA	Solid	5035	
MB 880-46948/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46948/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46948/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25049-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
880-25049-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 47042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Total/NA	Solid	Total BTEX	
890-4138-2	SS02A	Total/NA	Solid	Total BTEX	
890-4138-3	SS03A	Total/NA	Solid	Total BTEX	
890-4138-4	SS04A	Total/NA	Solid	Total BTEX	
890-4138-5	SS05A	Total/NA	Solid	Total BTEX	
890-4138-6	SS06A	Total/NA	Solid	Total BTEX	
890-4138-7	SS07A	Total/NA	Solid	Total BTEX	
890-4138-8	SS08A	Total/NA	Solid	Total BTEX	
890-4138-9	SS09	Total/NA	Solid	Total BTEX	
890-4138-10	SS10	Total/NA	Solid	Total BTEX	
890-4138-11	SS11	Total/NA	Solid	Total BTEX	
890-4138-12	SS12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 46994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Total/NA	Solid	8015B NM	47117
890-4138-2	SS02A	Total/NA	Solid	8015B NM	47117
890-4138-3	SS03A	Total/NA	Solid	8015B NM	47117
890-4138-4	SS04A	Total/NA	Solid	8015B NM	47117
890-4138-5	SS05A	Total/NA	Solid	8015B NM	47117
890-4138-6	SS06A	Total/NA	Solid	8015B NM	47117
890-4138-7	SS07A	Total/NA	Solid	8015B NM	47117
890-4138-8	SS08A	Total/NA	Solid	8015B NM	47117
890-4138-9	SS09	Total/NA	Solid	8015B NM	47117
890-4138-10	SS10	Total/NA	Solid	8015B NM	47117
890-4138-11	SS11	Total/NA	Solid	8015B NM	47117
890-4138-12	SS12	Total/NA	Solid	8015B NM	47117
MB 880-47117/1-A	Method Blank	Total/NA	Solid	8015B NM	47117
LCS 880-47117/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47117
LCSD 880-47117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47117
890-4138-1 MS	SS01A	Total/NA	Solid	8015B NM	47117
890-4138-1 MSD	SS01A	Total/NA	Solid	8015B NM	47117

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

GC Semi VOA

Prep Batch: 47117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-4138-1	SS01A	Total/NA	Solid	8015NM Prep	
890-4138-2	SS02A	Total/NA	Solid	8015NM Prep	
890-4138-3	SS03A	Total/NA	Solid	8015NM Prep	
890-4138-4	SS04A	Total/NA	Solid	8015NM Prep	
890-4138-5	SS05A	Total/NA	Solid	8015NM Prep	
890-4138-6	SS06A	Total/NA	Solid	8015NM Prep	
890-4138-7	SS07A	Total/NA	Solid	8015NM Prep	
890-4138-8	SS08A	Total/NA	Solid	8015NM Prep	
890-4138-9	SS09	Total/NA	Solid	8015NM Prep	
890-4138-10	SS10	Total/NA	Solid	8015NM Prep	
890-4138-11	SS11	Total/NA	Solid	8015NM Prep	
890-4138-12	SS12	Total/NA	Solid	8015NM Prep	
MB 880-47117/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47117/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4138-1 MS	SS01A	Total/NA	Solid	8015NM Prep	
890-4138-1 MSD	SS01A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Total/NA	Solid	8015 NM	
890-4138-2	SS02A	Total/NA	Solid	8015 NM	
890-4138-3	SS03A	Total/NA	Solid	8015 NM	
890-4138-4	SS04A	Total/NA	Solid	8015 NM	
890-4138-5	SS05A	Total/NA	Solid	8015 NM	
890-4138-6	SS06A	Total/NA	Solid	8015 NM	
890-4138-7	SS07A	Total/NA	Solid	8015 NM	
890-4138-8	SS08A	Total/NA	Solid	8015 NM	
890-4138-9	SS09	Total/NA	Solid	8015 NM	
890-4138-10	SS10	Total/NA	Solid	8015 NM	
890-4138-11	SS11	Total/NA	Solid	8015 NM	
890-4138-12	SS12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 46849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Soluble	Solid	DI Leach	
890-4138-2	SS02A	Soluble	Solid	DI Leach	
890-4138-3	SS03A	Soluble	Solid	DI Leach	
890-4138-4	SS04A	Soluble	Solid	DI Leach	
890-4138-5	SS05A	Soluble	Solid	DI Leach	
890-4138-6	SS06A	Soluble	Solid	DI Leach	
890-4138-7	SS07A	Soluble	Solid	DI Leach	
890-4138-8	SS08A	Soluble	Solid	DI Leach	
890-4138-9	SS09	Soluble	Solid	DI Leach	
890-4138-10	SS10	Soluble	Solid	DI Leach	
890-4138-11	SS11	Soluble	Solid	DI Leach	
890-4138-12	SS12	Soluble	Solid	DI Leach	
MB 880-46849/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46849/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Client: Ensolum Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

HPLC/IC (Continued)

Leach Batch: 46849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-46849/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4138-4 MS	SS04A	Soluble	Solid	DI Leach	
890-4138-4 MSD	SS04A	Soluble	Solid	DI Leach	

Analysis Batch: 46986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4138-1	SS01A	Soluble	Solid	300.0	46849
890-4138-2	SS02A	Soluble	Solid	300.0	46849
890-4138-3	SS03A	Soluble	Solid	300.0	46849
890-4138-4	SS04A	Soluble	Solid	300.0	46849
890-4138-5	SS05A	Soluble	Solid	300.0	46849
890-4138-6	SS06A	Soluble	Solid	300.0	46849
890-4138-7	SS07A	Soluble	Solid	300.0	46849
890-4138-8	SS08A	Soluble	Solid	300.0	46849
890-4138-9	SS09	Soluble	Solid	300.0	46849
890-4138-10	SS10	Soluble	Solid	300.0	46849
890-4138-11	SS11	Soluble	Solid	300.0	46849
890-4138-12	SS12	Soluble	Solid	300.0	46849
MB 880-46849/1-A	Method Blank	Soluble	Solid	300.0	46849
LCS 880-46849/2-A	Lab Control Sample	Soluble	Solid	300.0	46849
LCSD 880-46849/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46849
890-4138-4 MS	SS04A	Soluble	Solid	300.0	46849
890-4138-4 MSD	SS04A	Soluble	Solid	300.0	46849

Project/Site: Cabo Wabo Fed Com 704-706H

Client Sample ID: SS01A

Client: Ensolum

Date Collected: 02/16/23 09:25 Date Received: 02/17/23 15:27

Lab Sample ID: 890-4138-1

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			5.05 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 07:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/23/23 21:37	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 06:58	CH	EET MID

Client Sample ID: SS02A Lab Sample ID: 890-4138-2 Date Collected: 02/16/23 09:30

Date Received: 02/17/23 15:27

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			5.03 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 07:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/23/23 22:43	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 07:04	CH	EET MID

Client Sample ID: SS03A Lab Sample ID: 890-4138-3 Date Collected: 02/16/23 09:40 **Matrix: Solid**

Date Received: 02/17/23 15:27

Batch Dil Final Batch Initial Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 4.95 g Total/NA Prep 5035 5 mL 46948 02/22/23 14:24 EL EET MID Total/NA Analysis 8021B 5 mL 5 mL 46925 02/23/23 08:09 MNR **EET MID** Total/NA Analysis Total BTEX 47042 02/23/23 12:26 A.I EET MID 1 Total/NA Analysis 8015 NM 47169 02/24/23 13:21 ΑJ **EET MID** Total/NA 10 mL 47117 Prep 8015NM Prep 10.00 g 02/23/23 17:07 AM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 46994 02/23/23 23:06 EET MID Soluble Leach DI Leach 4.99 g 50 mL 46849 02/21/23 13:17 KS EET MID Soluble Analysis 300.0 46986 02/23/23 07:10 СН **EET MID**

Lab Sample ID: 890-4138-4 Client Sample ID: SS04A

Date Collected: 02/16/23 09:45 Date Received: 02/17/23 15:27

	_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Prep	5035			4.99 g	5 mL	46948	02/22/23 14:24	EL	EET MID
١	Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 09:02	MNR	EET MID
	Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID

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Matrix: Solid

Project/Site: Cabo Wabo Fed Com 704-706H

Client: Ensolum

Lab Sample ID: 890-4138-4

Matrix: Solid

Client Sample ID: SS04A Date Collected: 02/16/23 09:45 Date Received: 02/17/23 15:27

	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			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/23/23 23:27	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 07:17	CH	EET MID

Client Sample ID: SS05A Lab Sample ID: 890-4138-5

Date Collected: 02/16/23 09:55 **Matrix: Solid** Date Received: 02/17/23 15:27

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 46948 Prep 5.01 g 5 mL 02/22/23 14:24 EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 46925 02/23/23 09:29 MNR **EET MID** 1 Total/NA Total BTEX Analysis 1 47042 02/23/23 12:26 AJ **EET MID** Total/NA Analysis 8015 NM 47169 02/24/23 13:21 **EET MID** AJ Total/NA Prep 8015NM Prep 10.02 g 10 mL 47117 02/23/23 17:07 AM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 46994 02/23/23 23:50 ΑJ **EET MID** Soluble Leach DI Leach 5 g 50 mL 46849 02/21/23 13:17 KS EET MID Soluble Analysis 300.0 1 46986 02/23/23 07:35 СН **EET MID**

Client Sample ID: SS06A Lab Sample ID: 890-4138-6

Date Collected: 02/16/23 10:00 **Matrix: Solid** Date Received: 02/17/23 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 09:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 00:11	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 07:41	CH	EET MID

Client Sample ID: SS07A Lab Sample ID: 890-4138-7

Date Collected: 02/16/23 09:50 **Matrix: Solid** Date Received: 02/17/23 15:27

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 10:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 00:33	AJ	EET MID

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Released to Imaging: 8/3/2023 8:43:23 AM

Lab Chronicle

Client: Ensolum

Project/Site: Cabo Wabo Fed Com 704-706H

Job ID: 890-4138-1

SDG: 03D2024144

Client Sample ID: SS07A

Date Collected: 02/16/23 09:50 Date Received: 02/17/23 15:27 Lab Sample ID: 890-4138-7

Matrix: Solid

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			5.05 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 08:00	CH	EET MID

Client Sample ID: SS08A Lab Sample ID: 890-4138-8

Date Collected: 02/16/23 09:35
Date Received: 02/17/23 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 10:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 00:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 08:06	CH	EET MID

Client Sample ID: SS09 Lab Sample ID: 890-4138-9

Date Collected: 02/16/23 11:05

Date Received: 02/17/23 15:27

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	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 01:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 08:12	CH	EET MID

Client Sample ID: SS10

Date Collected: 02/16/23 11:10

Lab Sample ID: 890-4138-10

Matrix: Solid

Date Received: 02/17/23 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	46948	02/22/23 14:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46925	02/23/23 11:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 01:39	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	46849	02/21/23 13:17	KS	EET MIC
Soluble	Analysis	300.0		1			46986	02/23/23 08:18	CH	EET MID

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Client Sample ID: SS11

Date Collected: 02/16/23 11:15 Date Received: 02/17/23 15:27

•	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			4.99 g	5 mL	46929	02/22/23 09:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46928	02/23/23 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 02:23	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46849	02/21/23 13:17	KS	EET MID
Soluble	Analysis	300.0		1			46986	02/23/23 08:24	CH	EET MID

Lab Sample ID: 890-4138-12

Client Sample ID: SS12 Date Collected: 02/16/23 11:20 Matrix: Solid

Date Received: 02/17/23 15:27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	46929	02/22/23 09:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46928	02/23/23 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47042	02/23/23 12:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47169	02/24/23 13:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47117	02/23/23 17:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46994	02/24/23 02:45	AJ	EET MIC
Soluble	Leach	DI Leach			5.04 g	50 mL	46849	02/21/23 13:17	KS	EET MIC
Soluble	Analysis	300.0		1			46986	02/23/23 08:30	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: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

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 for
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum

Job ID: 890-4138-1 Project/Site: Cabo Wabo Fed Com 704-706H

SDG: 03D2024144

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: Cabo Wabo Fed Com 704-706H

Job ID: 890-4138-1

SDG: 03D2024144

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4138-1	SS01A	Solid	02/16/23 09:25	02/17/23 15:27	1'
890-4138-2	SS02A	Solid	02/16/23 09:30	02/17/23 15:27	1'
890-4138-3	SS03A	Solid	02/16/23 09:40	02/17/23 15:27	1'
890-4138-4	SS04A	Solid	02/16/23 09:45	02/17/23 15:27	1'
890-4138-5	SS05A	Solid	02/16/23 09:55	02/17/23 15:27	1'
890-4138-6	SS06A	Solid	02/16/23 10:00	02/17/23 15:27	1'
890-4138-7	SS07A	Solid	02/16/23 09:50	02/17/23 15:27	1'
890-4138-8	SS08A	Solid	02/16/23 09:35	02/17/23 15:27	1'
890-4138-9	SS09	Solid	02/16/23 11:05	02/17/23 15:27	0.5'
890-4138-10	SS10	Solid	02/16/23 11:10	02/17/23 15:27	0.5'
890-4138-11	SS11	Solid	02/16/23 11:15	02/17/23 15:27	0.5'
890-4138-12	SS12	Solid	02/16/23 11:20	02/17/23 15:27	0.5'

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Xenco

Environment Testing

Company Name: Project Manager:

Ensolum, LLC Hadlie Green

Bill to: (if different)

601 N Marienfeld St Suite 400

Address: Company Name:

601 N Marienfeld St Suite 400

Ensolum, LLC Kalei Jennings

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) 794-129 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-319

Work Order No:

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99	- 3	
	www.xenco.com Page of	
	Work Order Comments	
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
	State of Project:	
	Reporting: Level II Level III PST/UST TRRP Level IV	
	Deliverables: EDD ADaPT Other:	

City, State ZIP:	Midland, TX 79701	701			City, State ZIP:	.,	Midla	nd, TX	Midland, TX 79701						Repor	: Bui	evel	٦ -	- EVE	; Ē	2] [2 3	- 3		Reporting: Level III Level III PSI/USI RRP Level IV	Ě
Phone:	432-557-8895			Email:	Email: kjennings@ensolum.com,	ensolun	1.com,	hgree	hgreen@ensolum.com	solum	.com			_	Deliverables: EDD	rables	E		$\ $		AUar I		_	Otner:			
Project Name:	Cabo Wabo Fed Com704H-706H	d Com	704H-706H	Turn	Turn Around							ANALYS	SISA	SIS REQUEST	EST							70	rese	rvati	O ev	Preservative Codes	
Project Number:	03D:	03D2024144	4	☑ Routine	Rush	Code													-	\vdash	Ļ	None: NO	Ö		DI V	Di Water: H ₂ O	H ₂ O
Project Location:	32.1116,-103.9302	5,-103.9	302	Due Date:																	_	Cool: Cool	000		MeC	MeOH: Me	
Sampler's Name:	Peter \	Peter Van Patten	ten	TAT starts the	TAT starts the day received by	Ž												West.	_			HCL: HC	<u>.</u> ф		N N	HNO3: HN	
PO #:			9	the lab, if rec	the lab, if received by 4:30pm	_				_	_	_		_								H ₂ SU ₄ : H ₂	Н2		Nac	NaOH: Na	
SAMPLE RECEIPT	Tegap Blank:	lank:	ON SON	Wet Ice.	Kes No	nete	.0)												-		_	H3PO4: HP	Ŧ				
Samples Received Intact:		1	Thermometer ID:	ID:	23 W/14	J.	300														_	NaHSO ₄ : NABIS	*: V	ABIS			
Cooler Custody Seals:	Yes No	NIA	Correction Factor	clos	1.00.7	Pa	PA:									▐					7	Na ₂ S ₂ O ₃ : NaSO ₃	03: N	aSO ₃			
Sample Custody Seals:	s: Yes No	_	N/A Temperature Reading:	Reading:	7.1.4		S (E)												N	n Ace	etate+	Zn Acetate+NaOH: Zn	H: Zn		
Total Containers:			Corrected Temperature:	mperature:	2.1		IDE	15)	8021	I.	4.00	Coc-4136 Chain of Custody	ain or	Custo	dy		1	1			-7	VaOH	+Asc	orbic .	Acid:	NaOH+Ascorbic Acid: SAPC	
Sample Identification	ification	Matrix	Date Sampled	Time Sampled	Depth Grab/	b) # of ip Cont	CHLOR	TPH (80	BTEX (<u> </u>		(0	Samp	yle C	Sample Comments	ents	
SS01A	Α	Soil	2/16/2023	925	1' Comp	1	×	×	×										-	-							
SS02A	Α	Soil	2/16/2023	930	1' Comp	7	×	×	×									T	-	\vdash	1						
SS03A	Α	Soil	2/16/2023	940	1' Comp	<u>ਰ</u>	×	×	×											\vdash	_						
SS04A	Α	Soil	2/16/2023	945	1' Comp	<u>5</u>	×	×	×											-	_						
SS05A	Α	Soil	2/16/2023	955	1' Comp	<u>p</u>	×	×	×											-	1						
SS06A	Α	Soil	2/16/2023	1000	1' Comp	7	×	×	×									T		\vdash	\perp						
SS07A	А	Soil	2/16/2023	950	1' Comp	7	×	×	×											-	<u> </u>						
SS08A		Sei	2/16/2023	935	Comp	ō	×	×	×						Ц					╀							
																				\parallel							
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	10 200.8 / 6020: d Metal(s) to be an)20: analyz		8RCRA 13PPM TCLP / SPLF	RA 13PPM Texas 11 AITCLP / SPLP 6010: 8RCRA	1 AI S	Sb As Ba Be B	Ba E s Ba	Be B (Cd Ca Co		Cu Pb N		No N	Fe Pb Mg Mn Mo Ni In Mo Ni Se Ag Ti U	Ag T	C Z	Se	≥	SiO ₂	Na Na	g SiO ₂ Na Sr Ti Sn U Hg: 1631/245.1/7470	TI Sn U	II 👡 📑	V Zn 7471		
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ocument and relingu will be llable only for mum charge of \$85.0	ishment cor or the cos	f samples consi of samples and pplied to each p	itutes a valid pu shall not assun vroject and a cha	rchase order fron ne any responsib arge of \$5 for eac	n client co ility for an h sample	ompany ly losses submitte	to Eurof or expe d to Eu	ins Xenc enses inc rofins Xe	o, its aff urred b nco, but	lliates a the cli	nd subc ent if su lyzed. T	ontract ch loss hese te	ors. It a es are d rms wil	ttractors. It assigns standard terms and conditions losses are due to circumstances beyond the contro	standa rcumst orced u	rd teri ances inless	ns and beyond previou	condit the country ne	ions ontrol gotiate	٨						
Relinquished by: (Signature)	(Signature)		Received	Received by: (Signature	ure)		Date	Date/Time		Re	inquis	Relinquished by:		(Signature)	e		Rec	Received by: (Signature)	by:	Sign	ature				Date/Time	Time	
· Tobe lan Titl	-	MA	2000	Ja &	Red	in the	17.23	23	50	13													+				
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																							Revise	d Date:	08/25/2	Revised Date: 08/25/2020 Rev. 2020 2	2020 2

The

TYCHE CALC

2-17-23

53

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

totice: 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

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U

Ag SiO₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471

Chain of Custody

Purofine			TV (284)	20.00	5 (S	C TV (214) 802 0200		24
6010	Environment	Testing Midlan	id, TX (432) 704	1-5440.	San Ant	Midland, TX (432) 704-5440. San Antonio, TX (210) 509-3334	Work Order No:	2/
	Xenco	ELP	aso, TX (915) 5	85-344	3, Lubbo	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296		
		Hobi	os. NM (575) 39	2-7550	Carlsb	Hobbs, NM (575) 392-7550. Carlsbad, NM (575) 988-3199	0	
							www.xenco.com Page of][
ect Manager:	Hadlie Green	Bill to: (if different)		Kalei Jennings	S		Work Order Comments	<u></u>
	Ensolum, LLC	Company Name:		Ensolum, LLC	C		Program: UST/PST 🔲 PRP 🗌 Brownfields 🔲 RRC 🔲 Superfund 📗	
	601 N Marienfeld St Suite 400	Address:		Marie	nfeld S	601 N Marienfeld St Suite 400	State of Project:	
State ZIP:	Midland, TX 79701	City, State ZIP:	Midla	Midland, TX 79701	79701		Reporting: Level II Level III PST/UST TRRP Level IV	
ne:	432-557-8895	Email: kjennings@ensolum.com, hgreen@ensolum.com	solum.com,	hgree	n@en	olum.com	Deliverables: EDD ☐ ADaPT ☐ Other:	
ect Name:	Cabo Wabo Fed Com704H-706H	Turn Around				ANALYSIS RE	EQUEST Preservative Codes	
ect Number:	03D2024144	✓ Routine ☐ Rush	Pres. Code				None: NO DI Water: H ₂ O	20
ect Location:	32.1116,-103.9302	Due Date:				.,	<u>u</u>	
npler's Name:	Peter Van Patten	TAT starts the day received by						
*		the lab. if reserved by 4:30pm	ers				H ₂ SO ₄ : H ₂ NaOH: Na	
MPLE RECEIPT	T Temp Blank: Yes No	Wetice: Yes No	nete				H₃PO₄: HP	
ples Received Intact:	act: Yes No Thermometer ID:	Se /					NaHSO ₄ : NABIS	
ler Custody Seals:	Yes No N/A Correction Factor:	actor:X					Na ₂ S ₂ O ₃ : NaSO ₃	38
ple Custody Seals:	Yes No N/A Temperature Reading:	Reading:	S (E)		Zn Acetate+NaOH: Zn	of
I Containers:	Corrected Temperature	mperature:	IDE	015)	8021		NaOH+Ascorbic Acid: SAPC	36
Sample identification	fication Matrix Sampled	Time Depth Comp	Graby # of Cont CHLOR	TPH (80	BTEX (Sample Comments	Page
SS09	Soil 2/16/2023	1105 0.5' Comp	×	×	×			
SS10	Soil 2/16/2023	1110 0.5' Comp	- ×	×	×			
SS11	Soil 2/16/2023	1115 0.5' Comp	×	×	×			
SS12	Soil 2/16/2023	1120 0.5' Comp	×	×	×			
					-	_	_	-

SAMPLE RECEIPT

Sampler's Name:

roject Location:

Project Number:

Project Name:

Phone:

City, State ZIP: Address: Company Name: Project Manager:

Cooler Custody Seals: Samples Received Intact:

otal Containers: ample Custody Seals:

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4138-1 SDG Number: 03D2024144

Login Number: 4138 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: 890-4138-1 SDG Number: 03D2024144

List Source: Eurofins Midland

List Number: 2 Creator: Teel, Brianna

Login Number: 4138

List Creation: 02/21/23 11:18 AM

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 <6mm (1/4").	True	

Released to Imaging: 8/3/2023 8:43:23 AM



APPENDIX D

NMOCD Notifications



APPENDIX E

Final C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Release Notification

Responsible Party

Responsible Party				OGRID			
Contact Name				Contact	Contact Telephone		
Contact email				Inciden	Incident # (assigned by OCD)		
Contact mail	ing address			'			
					~		
			Location	of Release	Source		
Latitude				Longitud	e		
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)		
Site Name				Site Typ	e		
Date Release	Discovered			API# (if	applicable)		
Unit Letter	Section	Township	Range	Co	ounty		
Ont Letter	Section	Township	Runge		, unity	-	
						_	
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:)	
			Nature and	d Volume o	f Release		
Crude Oil		l(s) Released (Select al Volume Release		calculations or spec	Volume Reco	e volumes provided below) overed (bbls)	
Produced	Water	Volume Release	` ,		Volume Reco	• • •	
			ion of dissolved c	chloride in the	Yes N	,	
		produced water					
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)	
Natural G	as	Volume Release	d (Mcf)		Volume Reco	overed (Mcf)	
Other (describe) Volume/Weight Released (provide uni		e units)	Volume/Wei	ght Recovered (provide units)			
Cause of Rele	ease						

Received by OCD: 3/21/2023 9:56:5624MM State of New Mexico
Page 2 Oil Conservation Division

Page	91	Df.	97
			i

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If YES, was immediate no	tice given to the OCD? By whom? To when	nom? When and by what means (phone, email, etc)?
11 1 22, 11 11 11 11 11 11	ente girvai te aix e ezir ziy maean i e mi	(man, co).
	Initial R	esponse
The responsible p	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred clease attach all information needed for closure evaluation.
regulations all operators are public health or the environmental failed to adequately investigation.	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger oCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature:	tan Japange	Date:
email:		Telephone:
OCD Only		
Received by:Jocely	n Harimon	Date:12/20/2022

					L	48 Spill Vo	olume Estimat	e Form	
Received by OCD	: 3/21/2	02329:	56256 AM Moer:	Cabo Wabo		767		NAPP2	2235437148
			Asset Area:	Deleware East					
	Releas	e Disco	very Date & Time:	12/16/22 3:00pm	9				
			Release Type:	Other					
Provide a	ny know	n detail	s about the event:	During pressure te	sting 12" layflat, d	eveloped a ho	ole and lost primary o	containment	
ř					Spil	Calculation	- On Pad Surface	Pool Spill	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	150.0	25.0	0.25	4	3750.000	0.005	3.477	0.000	3.477
Rectangle B	150.0	6.0	3.00	4	900.000	0.063	10.013	0.003	10.044
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E			5 5		0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Released to Imagi	no. 8/2	/20283	8:43:523 2AMM		0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	. 0/3		0. 70.20 71M HI					Total Volume Release:	13.521

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 168822

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	168822
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/20/2022

	Page 94 of 9	7
Incident ID	NAPP2235437148	
District RP		
Facility ID	fAPP2203847910	
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?	<u>>100</u> (ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No			
Did the release impact areas not on an exploration, development, production, or storage site?				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				

Characterization Report Checklist: Each of the following items must be included in the report.
Characterization Report Checkinst. Luch of the following tiems must be included in the report.
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
☐ Topographic/Aerial maps
☐ Laboratory data including chain of custody

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

Received by OCD: 3/21/2023 9:56:56 AM
Form C-141 State of New Mexico
Page 4 Oil Conservation Division

	Page 95 of 9
Incident ID	NAPP2235437148
District RP	
Facility ID	fAPP2203847910

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: Justin Carlile____ Title: Senior Environmental Engineer Signature: Date: 3/16/2023 Telephone: ___432-202-4112 email: Justin.Carlile@conocophillips.com **OCD Only** Jocelyn Harimon 03/21/2023 Received by:

Page 96 of 97

Incident ID	NAPP2235437148
District RP	
Facility ID	fAPP2203847910
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	titems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29	0.11 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	DC 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 certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regu	blete 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 alations. 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. Title: _Senior Environmental Engineer Date:3/16/2023 Telephone:432-202-4112
OCD Only	
Received by: Jocelyn Harimon	Date: 03/21/2023
	ty of liability should their operations have failed to adequately investigate and se water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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 199230

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	199230
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for NAPP2235437148 CABO WABO FEDERAL COM 704H, 705H & 706H, thank you. This closure is approved. Please make sure on any release that occurs "off-pad" that the sidewalls come from the sides of the excavation and the sitemap reflects the actual location of the sidewalls. The sitemap makes It appear that the edge/sidewalls were not taken from the side of the excavation. If the sitemap doesn't accurately reflect the location of the edge/sidewalls on future reports, the report will be immediately denied.	8/3/2023