



September 9, 2025

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

Re: Reclamation Report
Trunk C Discharge (Trunk C (WMH-V4E) Trunk)
Incident Number nAPP2333431605
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Enterprise Field Services, LLC (Enterprise), has prepared the following *Reclamation Report* for Trunk C Discharge (Trunk C (WMH-V4E) Trunk) (Site). This *Reclamation Report* documents the Site history, reclamation activities completed to date, and proposes a vegetation monitoring plan.

BACKGROUND

The Site is located in Unit C, Section 30, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.194082°, -103.923084°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 30, 2023, a pinhole leak was discovered by a third party on the Trunk C (WMH-V4E) Trunk pipeline, with no liquids observed on the ground surface at the time. Repair activities immediately began, at which time Enterprise determined the release reportable per the New Mexico Oil Conservation Division (NMOCD) regulations based on the volume of impacted subsurface soils and determined that approximately 5 barrels (bbls) of condensate was released, with 0 bbls recovered. Enterprise reported the release to the NMOCD via email on November 30, 2023, followed up with a report through the online Notification of Release (NOR). The release was assigned Incident Number nAPP2333431605.

Delineation and excavation of impacted soil was completed at the Site between December 2023 and April 2024. Based on the delineation and excavation soil sample analytical results, a *Closure Report* was submitted to the NMOCD on June 20, 2024. The NMOCD approved the *Closure Report* on February 27, 2025. Additional details regarding the release, Site Characterization, delineation and excavation activities, and soil sample analytical results can be referenced in the approved *Closure Report* included as an Appendix to this report. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured soil and the disturbed area was graded and contoured to match the surrounding topography. The excavation extent/reclamation area are depicted on the attached Figure 1.

Enterprise Field Services, LLC
 Reclamation Report
 Trunk C Discharge (Trunk C (WMH-V4E) Trunk)

Photographic documentation of the backfilled excavation was completed, and a photographic log is included in Appendix A.

One representative 5-point composite sample (BF-01) was collected from the backfill material on August 01, 2025 by Ensolum personnel. The backfill soil sample was transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemicals of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following the United States Environmental Protection Agency (EPA) SW-846 Method 8021B, total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method 4500Cl-B.

Laboratory analytical results for the backfill soil sample confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix B.

The soil in the vicinity of the release area includes predominately loamy sand (Tunuco loamy sand, 0 to 3 percent slopes, eroded). The reclaimed pasture area was reseeded during the week of July 7, 2025, with the below Pecos District BLM Loamy SD-3 Ecological seed mix utilizing a drill seeder. The seed was applied at the rate specified below in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Grama, Blue (<i>Bouteloua gracilis</i>)	4.00
Grama, Sideoats "El Reno" (<i>Bouteloua curtipendula</i>)	1.00
Dropseed, Sand (<i>Sporobolus cryptandrus</i>)	0.50
Mesquite-grass, "Vine" (<i>Panicum obtusum</i>)	1.00
Bristlegrass Plains (<i>Setaria vulpiseta</i>)	1.00
Indian Blanket (<i>Gaillardia pulchella</i>)	0.50
Sunflower, Native (<i>Helianthus annuus</i>)	1.75

Photographs of the backfilled excavation and seeding of the reclaimed area are provided in Appendix A.

VEGETATION MONITORING

The Site will be monitored for vegetation growth to verify reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to monitor for revegetation progress.
- If necessary, an additional application of the seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicators or mechanically/physically removed.

A *Re-vegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent

Enterprise Field Services, LLC
Reclamation Report
Trunk C Discharge (Trunk C (WMH-V4E) Trunk)

(%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D. (3).

RECLAMATION APPROVAL REQUEST

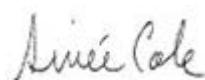
Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, Enterprise respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nAPP2333431605.

If you have any questions or comments, please contact Ms. Kelly Lowery at (214) 733-3165 or klowery@ensolum.com.

Sincerely,
Ensolum, LLC



Kelly Lowery, GIT
Project Geologist



Aimee Cole
Associate Principal

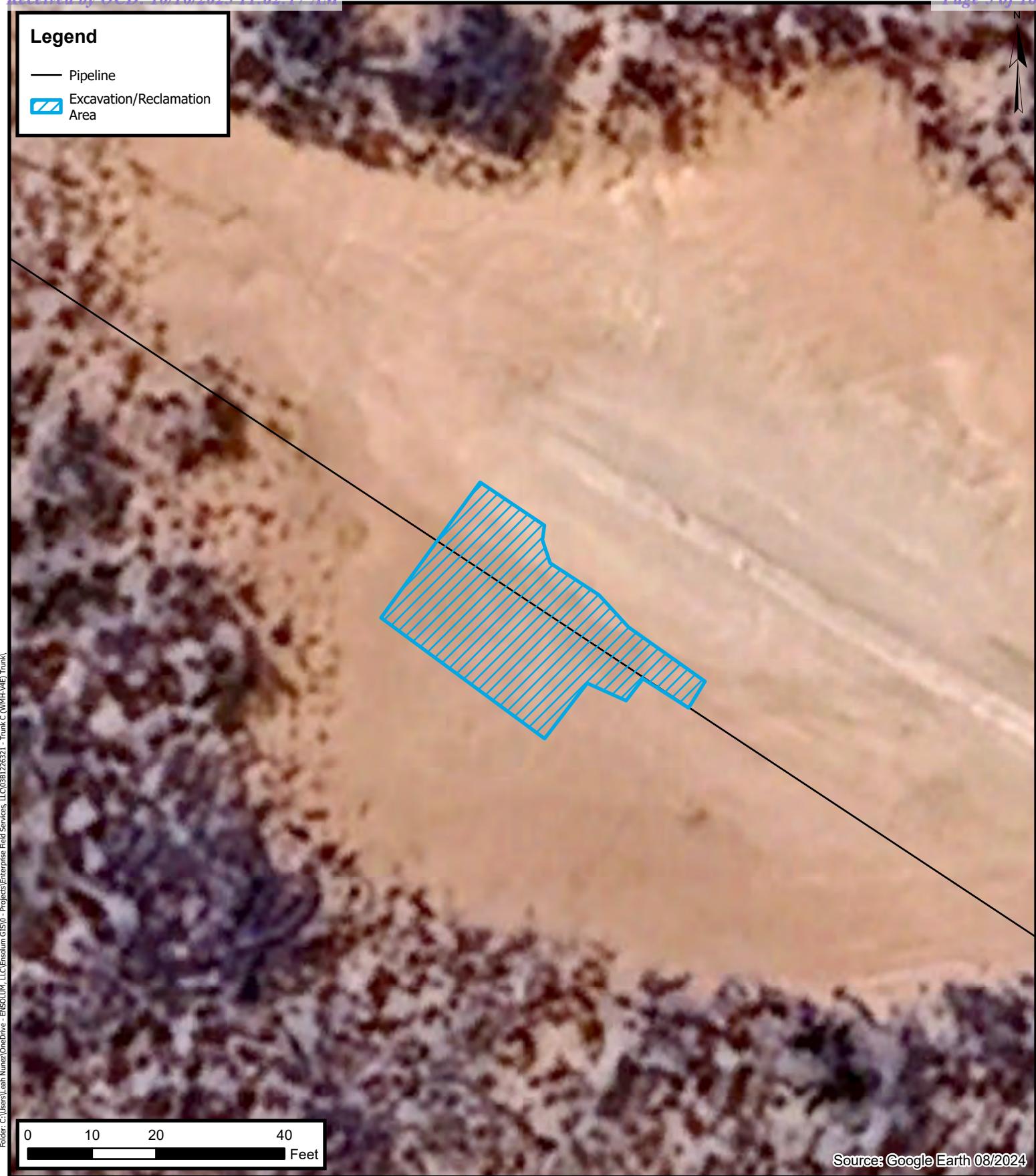
cc: Julianna Falcomata, Enterprise Field Services, LLC
David Feather, Enterprise Field Services, LLC
Bureau of Land Management

Appendices:

- Figure 1 Excavation Extent/Reclamation Area
- Table 1 Backfill Soil Sample Analytical Results
- Appendix A Photographic Log
- Appendix B Laboratory Analytical Report & Chain of Custody Documentation
- Appendix C Seed Mixture
- Appendix D Closure Report: Dated June 20, 2024



FIGURES



Environmental, Engineering and
Hydrogeologic Consultants

Excavation Extent/Reclamation Area

Enterprise Field Services, LLC

Trunk C Discharge (Trunk C (WMH-V4E) Trunk)

Project Number: 03B1226321

32.194082, -103.923084

Eddy County, New Mexico

FIGURE
1



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
TRUNK C DISCHARGE (TRUNK C (WMH-V4E) TRUNK)
ENTERPRISE FIELD SERVICES, LLC
EDDY COUNTY, NEW MEXICO

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Requirements for Reclaimed Area			NE	NE	NE	NE	NE	100	600
Backfill Soil Samples									
BF-01	8/1/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE - Not Established

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



APPENDIX A

Photographic Log

**Photographic Log**

Enterprise Field Services, LLC

Trunk C Discharge (Trunk C (WMH-V4E) Trunk)

nAPP2333431605



Photograph: 1

Date: 7/7/2025

Description: Post Backfill & Reseeding Activities

View: South



Photograph: 2

Date: 8/1/2025

Description: Post Backfill & Reseeding Activities

View: Southeast



Photograph: 3

Date: 8/1/2025

Description: Post Backfill & Reseeding Activities

View: Southeast



Photograph: 4

Date: 8/1/2025

Description: Post Backfill & Reseeding Activities

View: Northwest



APPENDIX B

Laboratory Analytical Report & Chain of Custody Documentation



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 07, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 08/01/25 15:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/01/2025 Sampling Date: 08/01/2025
 Reported: 08/07/2025 Sampling Type: Soil
 Project Name: TRUNK C (WMH V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Alyssa Parras
 Project Location: 32.1940874, -103.9230931

Sample ID: BF - 01 0.25' (H254717-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2025	ND	1.69	84.7	2.00	9.71		
Toluene*	0.050	0.050	08/05/2025	ND	1.77	88.4	2.00	8.85		
Ethylbenzene*	0.050	0.050	08/05/2025	ND	1.78	89.2	2.00	7.80		
Total Xylenes*	0.150	0.150	08/05/2025	ND	5. 0	88.4	6.00	7.47		
Total BTEX	0. 00	0. 00	08/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/05/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6 C10*	10.0	10.0	08/05/2025	ND	185	92.	200	0.6		
DRO C10 C28*	10.0	10.0	08/05/2025	ND	209	104	200	0.278		
EXT DRO C28 C 6	10.0	10.0	08/05/2025	ND						

Surrogate: 1-Chlorooctane 60.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation business interruptions loss of use or loss of profits incurred by client its subsidiaries affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marientfeld St. STE 400

City: Midland

State: TX Zip: 79701

Phone #: 214-733-3165

Email: klowery@ensolum.com

Project #: 03B447743

Project Owner:

Project Name: ~~Mineral MDP TRUCK C (CUMM-1-V4E)~~

Project Location: Eddy Co, NM

Sampler Name: Shane Diller

FOR USE ONLY

Lab I.D.

Sample I.D.

Sample Depth
(feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

OTHER:

ICE / COOL

OTHER:

DATE

TIME

TPH

BTEX 8021b

8015

X

Chlorides 4500

X

PLEASE NOTE: Liability and Damages: Customer shall and client's exclusive remedy for any claims relating to damage caused or suffered by Cardinal, shall be limited to the amount paid by the client for the analysis, attorney fees, including those for negligence and any other claims whatsoever which shall be dismissed unless made in writing and received by Cardinal within 30 days after commencement of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of data or loss of profits incurred by client, its subcontractors, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

RElinquished By: *Shane Diller*
Date: 8-1-25
Time: 15:15
Received By: *Paykey*
Date: *15:15*
Received By: *Paykey*

RElinquished By: *Shane Diller*
Date: *15:15*
Time: *15:15*
Received By: *Paykey*

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	TRANSMITTER TIME:			STANDARD:			BATCHED (100g) SAMPLE CONDITION:		
				Transmitter Time:	Standard	Batched	Transmitter Time:	Standard	Batched	Transmitter Time:	Standard	Batched
Sampler - UPS - Bus - Other:	3.4 -	Cool Impact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
	3.9 -											



APPENDIX C

Seed Mixture



"NATIVE SEEDS SINCE 1951"

Quote

Billing Information	
NMR Pipeline, LLC	
Contact:	Kendall Richards
Address:	[REDACTED]
Phone:	[REDACTED]
Fax:	[REDACTED]
Email:	[REDACTED]

Shipping Information	
NMR Pipeline	
Contact:	Kendall Richards
Address:	[REDACTED]
Phone:	[REDACTED]
Fax:	[REDACTED]
Email:	[REDACTED]

Quote ID	Date	Quote Type	Acres	State	Project Type	Sales Rep
QUO-69916	5/15/2025	Blend - Specified	1.00	New Mexico	Revegetation	Brian Hays
ETC Site Trunk C Trunk; Loamy SD-3 Eco Site Blend			#/Acre	Total Pounds	\$/Acre	Sub Total
			9.750	9.750	[REDACTED]	[REDACTED]

Product	UoM	#/AC	Pounds
Gramma, Blue (Bouteloua gracilis)	PLS	4.00	4.000
Gramma, Sideoats "El Reno" (Bouteloua curtipendula)	PLS	1.00	1.000
Dropseed, Sand (Sporobolus cryptandrus)	PLS	0.50	0.500
Mesquite-grass, "Vine" (Panicum obtusum)	PLS	1.00	1.000
Bristlegrass Plains, (Setaria vulpiseta)	PLS	1.00	1.000
Indian Blanket (Gaillardia pulchella)	PLS	0.50	0.500
Sunflower, Native (Helianthus annuus)	PLS	1.75	1.750
Totals:		9.750	9.750

Comments:

Increased sunflower to cover globemallow due to lack of availability of globemallow.

Freight	[REDACTED]
Credit Card Fee (3%)	[REDACTED]
Handling	[REDACTED]
Total	[REDACTED]

We appreciate the opportunity to earn your business if we can be of any further assistance please do not hesitate to call. The quote is subject to stocks being unsold and further confirmation.



"NATIVE SEEDS SINCE 1951"

This quote is good for 10 business days unless otherwise noted. The quote reflects the cash price. A 3% convenience fee will be added to the quoted price for all credit card transactions. Species quantities and pricing are subject to change depending on availability at the time of order.

DISCLAIMER: Before quote approval, please confirm the components of this quote with your project official for contractual compliance.



APPENDIX D

Closure Report:
Dated June 20, 2024



CLOSURE REPORT

Property:

Trunk C Discharge

**Unit C, S30, T24S, R30E
32.194082° N, 103.923084° W
Eddy County, New Mexico
NMOCD Incident ID: nAPP2333431605**

June 20, 2024
Ensolum Project No. 03B1226321

Prepared for:

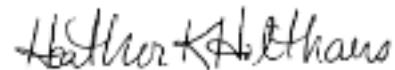
**Enterprise Field Services, LLC
PO Box 4324
Houston, TX 77210**

Attn: Robert Dunaway

Prepared by:



David McInnis
Project Geologist



Heather Holthaus
Senior Project Manager



TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
1.1	SITE DESCRIPTION & BACKGROUND	1
1.2	PROJECT OBJECTIVE.....	1
2.0	CLOSURE CRITERIA.....	1
3.0	SOIL REMEDIATION ACTIVITIES.....	3
4.0	SOIL SAMPLING PROGRAM	4
5.0	SOIL LABORATORY ANALYTICAL METHODS.....	4
6.0	DATA EVALUATION.....	4
7.0	RECLAMATION AND RE-VEGETATION	5
8.0	FINDINGS AND RECOMMENDATION	6
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE	7
9.1	STANDARD OF CARE.....	7
9.2	LIMITATIONS.....	7
9.3	RELIANCE	7

LIST OF APPENDICES

Appendix A: Figures

Appendix B: Supporting Documentation

Appendix C: Photographic Documentation

Appendix D: Table

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation



CLOSURE REPORT

Trunk C Discharge

Unit C, S30, T24S, R30E
32.149012° N, 103.881141° W
Eddy County, New Mexico
NMOCD Incident ID: nAPP2333431605

Ensolum Project No. 03B1226321

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC (Enterprise)
Site Name:	Trunk C Discharge
Location:	Unit C, Section 30, Township 24 South, Range 30 East 32.194082° N, 103.923084° W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On November 30, 2023, a pinhole leak was discovered by a third party on Enterprise's Trunk C (WMH – V4E) Trunk pipeline, with no liquids observed on the ground surface. Repair activities immediately began, at which time Enterprise determined the release to be reportable per New Mexico EMNRD OCD regulations based on the volume of impacted subsurface soils. Enterprise reported the release to the New Mexico EMNRD OCD via email on November 30, 2023, followed up with a report through the online notice of release (NOR), and was subsequently assigned Incident Number nAPP2333431605. During the release, approximately 5 barrels (bbls) of condensate was released into the subsurface, with 0 bbls recovered.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 Project Objective

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. The gas portion of this release constitutes venting that occurred during an emergency or a malfunction, as authorized by the New Mexico OCD regulations at



NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**.

- Four exploratory water wells records were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database. These water wells are indicated to be permitted locations with no known well records. The closest well (C-02109), located approximately 0.7-miles northeast of the Site, was reportedly installed for livestock watering in 1963 with a recorded depth to groundwater of 150 feet bgs.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution or church.
- According to the OSE WRSS and USGS databases, there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS and USGS databases, there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- Based on information identified on the National Wetlands Inventory surface waters and wetlands mapper, the Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as low karst potential.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg

	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
--	---------	----------------------------------	----------

3.0 SOIL REMEDIATION ACTIVITIES

On November 30, 2023, a pinhole leak was discovered by a third party on Enterprise's Trunk C (WMH – V4E) Trunk pipeline, with no liquids observed on the ground surface. Approximately 5 bbls of condensate was released into the subsurface, with 0 bbls recovered. Following submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by New Mexico Rentals Pipeline, LLC (NMR) utilizing a backhoe to excavate soils from the release area.

On December 11, 2023, Ensolum arrived on-Site to collect one composite soil sample from the excavation floor (FS01) and one composite soil sample from the excavation sidewall (SW01). The excavation floor soil sample was collected at a depth of 4 feet below ground surface (bgs) and the excavation sidewall soil sample was collected at a depth of 0-4 feet. Additionally, one composite soil stockpile (Stockpile) sample was collected from the excavated soil stockpile. Based on laboratory analytical data, additional excavation activities were necessary.

On January 22, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect two composite soil samples from the excavation floor (FS01 and FS02) and four composite soil sample from the excavation sidewall (SW01, SW02, SW03 and SW04). The excavation floor samples were collected at a depth of 14 feet bgs, and the excavation sidewall samples were collected at a depth of 0-14 feet bgs. Additionally, one composite soil stockpile (Stockpile) sample was collected from the excavated soil stockpile. Based on laboratory analytical data, additional excavation activities were necessary.

On January 29, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect one composite soil sample from the excavation floor (FS03) at a depth of 14 feet bgs, and one composite soil sample from the excavation sidewall (SW04) at a depth of 0-14 feet bgs. Based on laboratory analytical data, additional excavation activities were necessary.

Due to structural integrity issues involving the Trunk C (WMH-V4E) Trunk pipeline, only 10-foot sections could be exposed safely during the excavation process. Because of this, excavation activities were slow to progress. On February 8, 2024, Enterprise requested, and was subsequently approved, a 90-day extension by the EMNRD OCD to continue with the remediation and subsequent reporting of the Site.

On February 26, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect one composite soil sample from the excavation floor (FS03) at a depth of 18 feet bgs, and one composite soil sample from the excavation sidewall (SW04) at a depth of 0-18 feet bgs. Based on the laboratory analytical data, this 10-foot section of the excavation was now below the applicable Closure Criteria Limits for this Site, and was subsequently backfilled so the next 10-foot section of the release extent could be excavated.

Between March 20, 2024 and March 22, 2024, additional remediation activities were halted due to high levels of benzene detected within the excavation extent and the immediately surrounding area with field screening equipment. Per Enterprise's safety protocols, a change of scope was implemented which required internal job planning and special excavation procedures. Once benzene concentrations were below the permissible limits for the workplace environment per Enterprise's internal policies, remediation activities would resume. Due to the industrial hygiene issues with benzene concentrations in the working space and the excavation extent requiring larger excavation equipment to collect samples safely, Enterprise requested, and was subsequently approved, a final 90-day extension by the EMNRD OCD to complete remediation activities and the subsequent reporting of the Site.

On April 8, 2024, NMR and Enterprise arrived on-Site to apply a microbial solution, Micro-Blaze®, to the newly excavated section of the Trunk C (WMH-V4E) Trunk pipeline to help promote bioremediation of the

COCs in soils left in place. The safety data sheet (SDS) for the microbial solution is provided in **Appendix B**.

Between April 15 and April 29, 2024, subsequent to the completion of additional excavation activities, Ensolum arrived on-Site and collected a total of four composite soil samples from three locations on the excavation floor (FS04, FS05, and FS06) at depths ranging from 5 to 20 feet bgs, and a total of 10 composite soil samples from six locations on the excavation sidewalls (SW05 through SW10) at depths ranging from 0-20 feet bgs. Additionally, Ensolum collected a total of 10 soil samples from nine discrete delineation locations (DS01 through DS09) from around the outside of the excavation area at a depth of 0.25 feet bgs, and one composite soil stockpile (Stockpile) sample was collected from the excavated soil stockpile. Based on laboratory analytical data of the final soil samples, no additional excavation activities were necessary.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), total BTEX, total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation area measured approximately 47 feet long and 27 feet wide at the maximum extents, with a depth of 5 to 20 feet bgs.

A total of approximately 1,352 cubic yards of affected soils were excavated from the Site and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The excavation extent was backfilled with clean imported fill, contoured to the original surrounding grade.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation extent with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from December 11, 2023 through April 29, 2024 included the collection of a total of 26 composite soil samples from 16 locations in the excavation floor and sidewalls (FS01 through FS06, and SW01 through SW10), 10 delineation soil samples from nine locations outside of the excavation area (DS01 through DS09) and three composite soil stockpile sample from the excavation soil stockpile (Stockpile) staged on-Site for laboratory analysis.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico and/or Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO using EPA SW-846 Method 8015M/D, and chloride using EPA Method 300.0 or SM4500Cl-B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the total benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the final composite excavation soil samples

(FS01 through FS06, and SW01 through SW10), and the final delineation soil samples (DS01 through DS09) for the soils left in place at the Site, and the composite soil stockpile (Stockpile) samples to the NMOCD Closure Criteria.

- Laboratory analytical results indicate total benzene concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs, which are below the NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate that total BTEX concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs and/or the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs and/or the NMOCD Closure Criteria of 600 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples collected from the stockpile staged on-Site exceeds the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet. The soil stockpiles were transported off-Site for proper disposal.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**.

7.0 RECLAMATION AND RE-VEGETATION

The release occurred off pad along the Enterprise right-of-way (ROW) and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

- The excavation was backfilled with locally fill material and topsoil to match surrounding grade. Approximately 2 feet of topsoil has been placed on top of the backfill area to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release include: predominately loamy sand;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which will be: Pecos District BLM Seed Mix for Loamy Sand, SD-3 Ecological Site.
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader / tractor operated broadcast seed spreader / drill seeding / other means;
- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method, or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever is more applicable;
- Erosion control management will potentially include:
 - The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or

- Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation has already been completed;
- Seeding is anticipated to be completed within the next month when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost.
- Annual inspections (at a minimum), will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion.

8.0 FINDINGS AND RECOMMENDATION

- On November 30, 2023, a pinhole leak was discovered by a third party on Enterprise's Trunk C (WMH – V4E) Trunk pipeline, with no liquids observed on the ground surface. Approximately 5 bbls of condensate was released into the subsurface, with 0 bbls recovered.
- Following submittal of an emergency NM-811, corrective action activities were commenced by NMR utilizing a backhoe to excavate soils from the release area.
- Between December 11, 2023 and April 29, 2024, Ensolum arrived on-Site to collect a total of 26 composite soil samples from 16 locations in the excavation floor and sidewalls (FS01 through FS06, and SW01 through SW10), 10 delineation soil samples from nine locations outside of the excavation area (DS01 through DS09) and three composite soil stockpile sample from the excavation soil stockpile (Stockpile) staged on-Site for laboratory analysis.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately 47 feet long and 27 feet wide at the maximum extents, with a depth of 5 to 20 feet bgs.
- Based on the laboratory analytical results, the final composite soil samples for the soils left in place at the Site collected from the excavation area and the delineation samples outside of the impacted area did not exhibit total benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Based on the laboratory analytical results, the composite soil samples collected from the soil stockpiles staged on-Site did not exhibit benzene, total BTEX, or chloride concentrations above the applicable NMOCD Closure Criteria; however, concentrations of TPH GRO/DRO/MRO were identified above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the composite soil sampling, the soil stockpiles staged on-Site were removed and taken off-Site for proper disposal. A total of approximately 1,352 cubic yards of soils were excavated and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The excavation area was backfilled with clean fill material, contoured to the original surrounding grade, and a BLM approved seed mixture will be sown into the surface area of the backfill for re-vegetation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings, and recommendations are based solely upon data available to Ensolum at the time of these services.

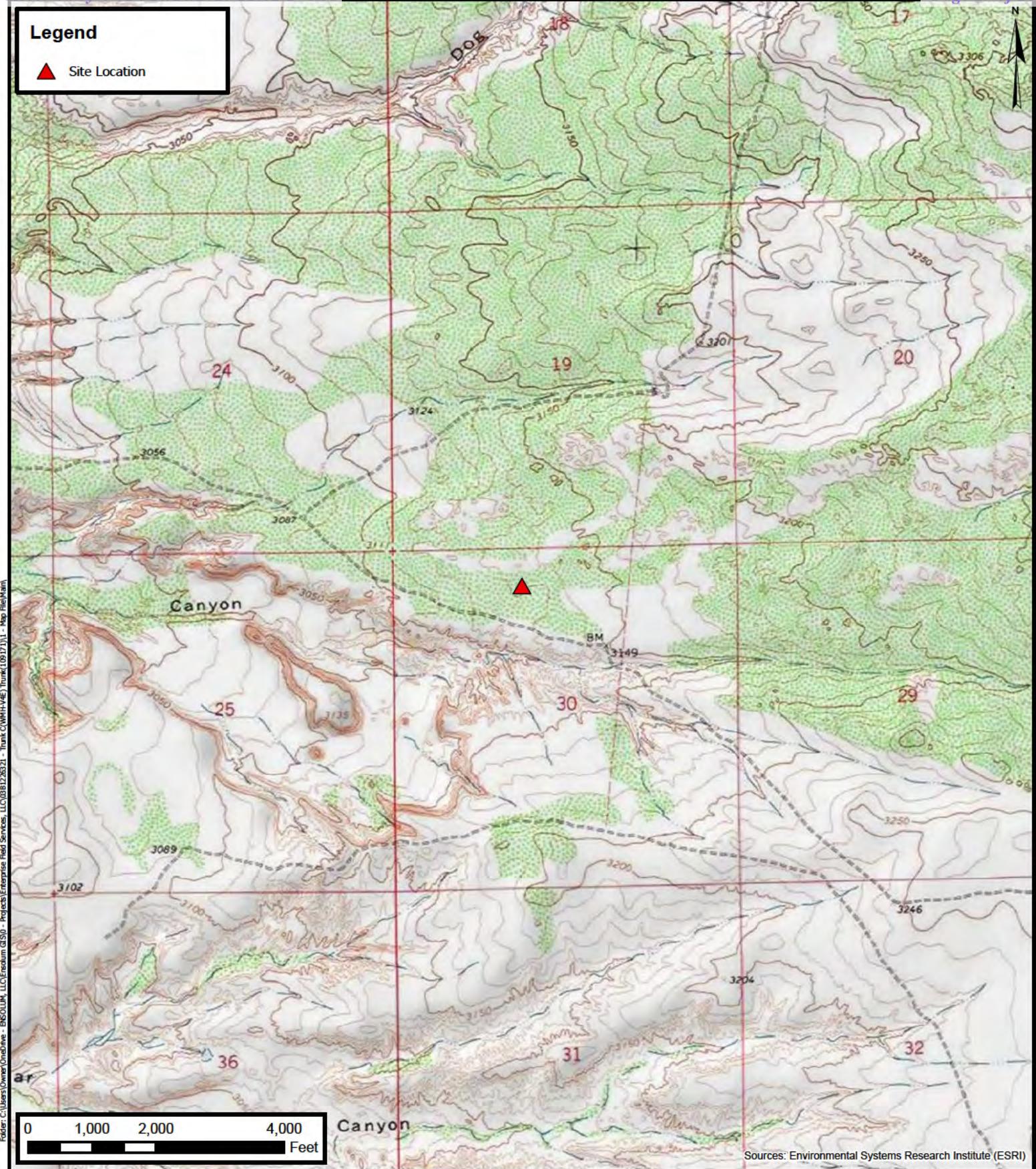
9.3 Reliance

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Enterprise Field Services, LLC and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures



Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC.

Trunk C Discharge

Project Number: 03B1226321

Project Number: 003122002
32.194082, -103.923084

Eddy County, New Mexico

FIGURE

1

Legend Site Location

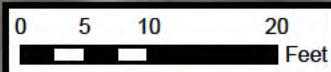
Site Vicinity Map
Enterprise Field Services, LLC.
Trunk C Discharge
Project Number: 03B1226321
32.194082, -103.923084
Eddy County, New Mexico

FIGURE
2



Legend

- ▲ Release Point
- Sample in Compliance with Closure Criteria
- Delineation Soil Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Trunk C (WMH-V4E) Trunk Pipeline
- Excavation Extent
- Over Excavation Extent 2
- Over Excavation Extent 3



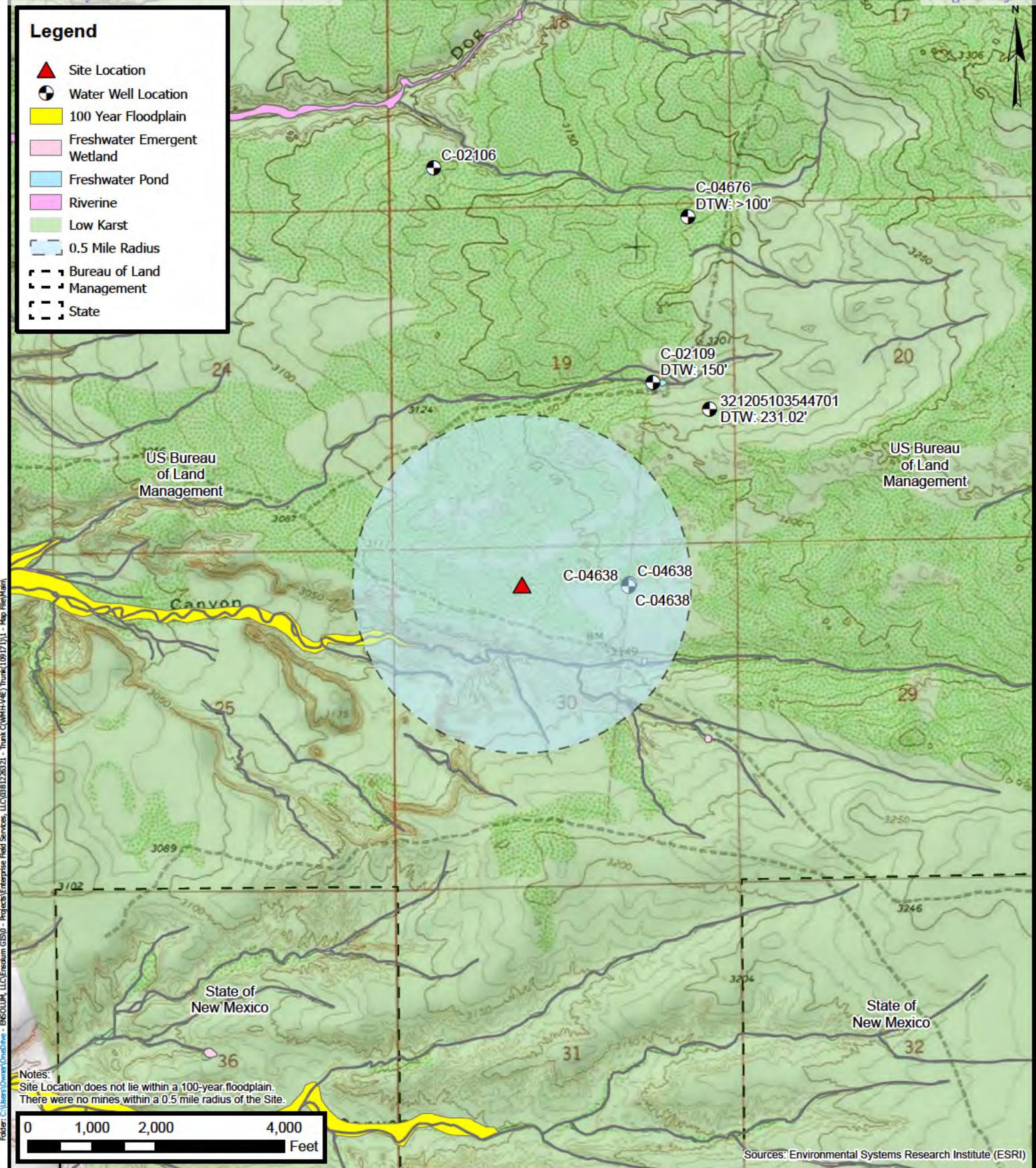
Sources: Environmental Systems Research Institute (ESRI)



Environmental, Engineering and Hydrogeologic Consultants

Site Map
 Enterprise Field Services, LLC.
 Trunk C Discharge
 Project Number: 03B1226321
 32.194082, -103.923084
 Eddy County, New Mexico

FIGURE
3





APPENDIX B

Supporting Documentation

Gas Loss Calculations

Trunk C Discharge

Release Parameters:

Pipeline Purging Calculation

Diameter of leak (inches)	0.0833	
Operating Pressure PSIA	794	
Duration of Leak (Days)	0.04	
	5.29	MCF (Gas Loss)
% Natural Gas	100	
Total Gas Loss	5.29	

Emission Factors:

gm-Moles/scf	1.263	
gm/lbs	454	5

Components(Mol%)

N2	0.3583
CO2	0.885
C1 (ethane)	8.58
C2 (propane)	3.94
C3 (methane)	83.19
iC4 (Isobutane)	0.72
nC4 (butane)	1.07
iC5 (iso-pentane)	0.4
nC5 (n-pentane)	0.2895
C6+ (heptane)	0.07
Avg MW(Total)	41.33
Avg MW(VOC)	44.66

BTU/SCF	2344.70
---------	---------

Gas Loss	Emissions to Atmosphere VOC (LBS)
5.2890995136 MCF	563.31

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

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

State of New Mexico

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

QUESTIONS

Action 291095

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 291095
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333431605
Incident Name	NAPP2333431605 TRUNK C DISCHARGE @ 0
Incident Type	Natural Gas Release
Incident Status	Initial C-141 Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	Trunk C Discharge
Date Release Discovered	11/30/2023
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 291095

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602 Action Number: 291095 Action Type: [C-141] Initial C-141 (C-141-v-Initial)
---	---

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tlong@eprod.com Date: 12/05/2023
--	--

District I
1625 N. French Dr., Hobbs, NM 88240
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Energy, Minerals and Natural Resources

Oil Conservation Division

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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 291095

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 291095
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Santa Fe, NM 87505

CONDITIONS

Action 291095

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 291095
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/5/2023

From: [Dunaway, Robert](#)
To: [Kelly Lowery](#)
Subject: FW: Extension Request, nAPP2333431605
Date: Thursday, February 8, 2024 2:15:37 PM
Attachments: [image003.png](#)

[**EXTERNAL EMAIL**]

For the final report.

Robert Dunaway
Manager, Environmental
3008 E Greene Street, Carlsbad, NM 88220
Office: (575) 628-6830 | rhdunaway@eprod.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Thursday, February 8, 2024 1:14 PM
To: Dunaway, Robert <rhdunaway@eprod.com>
Cc: Feather, David <DFeather@eprod.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request, nAPP2333431605

[Use caution with links/attachments]

RE: Incident #**NAPP2333431605**

Robert,

Your request for a 90-day extension to **May 8th, 2024**, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, February 8, 2024 9:56 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request, nAPP2333431605

From: Dunaway, Robert <rhdunaway@eprod.com>
Sent: Thursday, February 8, 2024 9:51 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Feather, David <DFeather@eprod.com>
Subject: [EXTERNAL] Extension Request, nAPP2333431605

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning.

Enterprise would like to request an extension to 5/27/24 for nAPP2333431605 (Trunk C).

Remediation is in process on the pipeline release, but Enterprise can only expose 10' of the line at a time due to safety concerns. This has caused the project to move slowly and require extra time to complete the remediation project.

Robert Dunaway
Manager, Environmental
3008 E Greene Street, Carlsbad, NM 88220
Office: (575) 628-6830 | rhdunaway@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Kelly Lowery

From: Dunaway, Robert <rhdunaway@eprod.com>
Sent: Wednesday, April 24, 2024 12:11 PM
To: Kelly Lowery
Subject: Fwd: [EXTERNAL] (Final Extension) NAPP2333431605 TRUNK C DISCHARGE
Attachments: image002.jpg; image003.png

[**EXTERNAL EMAIL**]

Sent from my iPhone

Begin forwarded message:

From: "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>
 Date: April 24, 2024 at 11:01:45 AM MDT
 To: "Dunaway, Robert" <rhdunaway@eprod.com>
 Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Wells, Shelly, EMNRD" <Shelly.Wells@emnrd.nm.gov>, "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>
 Subject: [EXTERNAL] (Final Extension) NAPP2333431605 TRUNK C DISCHARGE

[Use caution with links/attachments]

RE: Incident #NAPP2333431605

Robert,

Your request for a 90 day extension to July 23rd, 2024 is approved. This will be the final extension for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division
 506 W. Texas Ave. | Artesia, NM 88210
 575.909.0302 | robert.hamlet@state.nm.us<mailto:robert.hamlet@state.nm.us>
 http://www.emnrd.state.nm.us/OCD/<https://urldefense.com/v3/_http://www.emnrd.state.nm.us/OCD/_;!!AT8jIA!9phmFqZZP36gITJX1ccEw6FWLgHU0dNW-qCVoElGJ_1oxlrdTYsfjcv6RCV78a4tTZs87QTD-UfdiGgqwtQMqVtdt4e\$>
 [image002.jpg]

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
 Sent: Wednesday, April 24, 2024 9:19 AM
 To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
 Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
 Subject: FW: [EXTERNAL] Extension Request nAPP2333431605

From: Dunaway, Robert <rhdunaway@eprod.com<mailto:rhdunaway@eprod.com>>
 Sent: Wednesday, April 24, 2024 8:52 AM
 To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov<mailto:OCD.Enviro@emnrd.nm.gov>>
 Subject: [EXTERNAL] Extension Request nAPP2333431605

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning.

Enterprise Products would like to request an extension to nAPP2333431605 (Trunk C). Remediation has been underway but there have been safety issues outside Enterprise's control.

1. Only 10' of the pipeline can be exposed at a time due to safety/pipeline support requirements, adding to the time required for excavation and remediation.
2. There have been industrial hygiene issues with benzene levels, requiring job planning and special excavation procedures.
3. The excavation is approaching 20' in some places, requiring larger excavation equipment.

Enterprise understands that this is the second extension request for this project. We feel that we can bring the project to closure within the next 90 days, barring something truly extraordinary. Enterprise requests an extension to 7/19/24.

Robert Dunaway
Manager, Environmental
3008 E Greene Street, Carlsbad, NM 88220
Office: (575) 628 6830 | Cell: (575) 307 9378 rhdunaway@eprod.com<<mailto:rhdunaway@eprod.com>>
[image003.png]

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02109	1	2	4	19	24S	30E	602130	3563412

Driller License:**Driller Company:****Driller Name:** UNKNOWN**Drill Start Date:****Drill Finish Date:** 12/31/1963**Plug Date:****Log File Date:****PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:** 7.00**Depth Well:** 130 feet**Depth Water:** 150 feet

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

11/15/23 9:17 AM

POINT OF DIVERSION SUMMARY

agency_cd	site_no	station_nm	dec_lat_va	dec_long_va	dec_coord_datum_cd	state_cd	county_cd	Altitude_ft	alt_datum_cd	well_depth_va	gw_count_nu	lev_dt	lev_va	x	y
USGS	3.21205E+14	24S.30E.19.42113	32.2015121	-103.9135416	NAD83	35	15	3188	NAVD88	452	9	1/27/1998	231.02	602399.3963000001	3563289.5540999994

PECOS DISTRICT, BLM
SEED MIX FOR

The following Soils or Soil Association may represent these ecological sites:
 Alama silt loam, dry, 0-3% Slope, Atoka, Bigetty-Pecos, Harkey fine sandy loam, Holloman, Holloman-Gypsum Land, Hollomex loam, 1-9% slope, dry, Largo loams, Milner loam, 0-2% slope, dry, Reagan loam, Reakor, Reakor-Bigetty, Reakor-Tencee, Reeves loam, 0-2% slope, dry, Russler, Shanta, Upton-Reakor

Loamy, SD-3 Ecological Site
 Loamy CP-2
 Gyp Upland CP-2

April 4, 2006

<u>Common Name and Preferred Variety</u>	<u>Scientific Name</u>	<u>Pounds of Pure Live Seed Per Acre</u>
Blue grama,	(<i>Bouteloua gracilis</i>)	4.0
Sideoats grama,	(<i>Bouteloua curtipendula</i>)	1.0
Sand dropseed	(<i>Sporobolus cryptandrus</i>)	0.5
Vine mesquite	(<i>Panicum obtusum</i>)	1.0
Plains bristlegrass	(<i>Setaria macrostachya</i>)	1.0
Indian blanketflower	(<i>Gaillardia aristata</i>)	0.5
Desert or Scarlet Globemallow	(<i>Sphaeralcea ambigua</i>) or (<i>S. coccinea</i>)	1.0
Annual sunflower	(<i>Helianthus annuus</i>)	0.75
TOTAL POUNDS PURE LIVE SEED (pls) PER ACRE		9.75
Certified Weed Free Seed		

If one species is not available, increase ALL others proportionately.
 Use No Less than 4 species, including one forb.

No less than 9.75 pounds pls per acre shall be applied

APPROVED: /s/ Douglas J. Burger
 District Manager, Pecos District



Safety Data Sheet

Micro-Blaze® Out

1. IDENTIFICATION OF THE SUBSTANCE

Product identifier

Product Name: Micro-Blaze® Out
 Product Code: MBO

Recommended use of the chemical and restrictions on use

Recommended Use: Fire Fighting/Bioremediation
 Uses advised against: Please refer to Product Data Sheet

Details of the supplier of the Safety Data Sheet

Contact Manufacturer: Verde Environmental, Inc.
 9223 Eastex Freeway
 Houston, TX USA 77093
 Information Telephone Number: 1-713-691-6468
 Emergency Telephone Number: 1-800-424-9300 (Chemtrec) 24 hours every day

2. HAZARDS IDENTIFICATION

Classification

Classification of the product is in accordance with 29CFR 1910.1200

Acute toxicity – Oral	Category 5
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Label elements

Emergency Overview

Warning

Hazard statements

May cause an allergic skin reaction
 Causes serious eye irritation
 May be harmful if swallowed



Appearance: Opaque

Physical State: Liquid

Odor: Slight fermentation odor



Safety Data Sheet

Micro-Blaze® Out

Precautionary Statements – Prevention

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray.

Precautionary Statements – Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Skin	IF ON SKIN: Gently wash with plenty of soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements – Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Precautionary Statements – Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Health Hazard	1
Fire Hazard	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Weight - %
Water and Proprietary Viable Spore Forming Cultures	> 60
Ammonium Lauryl Sulfate	> 30
Proprietary blend of Ethoxylated Alcohols and other Organic Materials	1.0 – 3.0
Additives	0.1 – 0.8
Polysaccharide Xanthum Gum	0.1 <

Note: Micro-Blaze Out® does not contain PFOS, PFAS or any other fluorosurfactant



Safety Data Sheet

Micro-Blaze® Out

4. FIRST AID MEASURES

First aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash off immediately with soap and plenty of water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water

Most important symptoms and effects, both acute and delayed

Main symptoms	No information available
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Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
---------------------------	-----------------------

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Specific Hazards Arising from the Chemical

No information available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Ensure adequate ventilation
-----------------------------	-----------------------------

Environmental precautions

Environmental Precautions	It is not anticipated to be hazardous for the environment
----------------------------------	---

Methods and material for containment and cleaning up

Methods for Clean-up	Pick up and transfer to properly labeled containers
-----------------------------	---



Safety Data Sheet

Micro-Blaze® Out

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Packaging Material There could be many packaging types for the product. The details are given in other Verde Environmental, Inc. documents

Incompatible Materials Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Individual protection measures, such as personal protective equipment

Eye Protection Avoid contact with eyes

Skin and body protection No special technical protective measures are necessary

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Tan, Opaque
Odor	Pleasant (perfume)
Odor Threshold	No information available
Property	Values
pH	7.0 – 8.0
Melting/freezing point	freeze at 0°C/32°F
Evaporation rate VALUE	No information available
Flammability (solid, gas)	Not flammable
Burning rate 100mm VALUE	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	99%



Safety Data Sheet

Micro-Blaze® Out

Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of product	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening Point	No information available
VOC Content	No information available
Density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

Hazardous Decomposition Products

No information available

11. Toxicological Information

Information on likely routes of exposure

Inhalation	There is no data available for this product
Eye contact	Avoid contact with eyes. Severely irritating to eyes
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Ingestion may cause stomach discomfort



Safety Data Sheet

Micro-Blaze® Out

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization of susceptible persons
Mutagenic Effects	No information available
Reproductive Effects	No information available
Specific target organ systemic toxicity	No information available
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ammonium Lauryl Sulfate				EC50 = 10452 mg/L 48h

Persistence/Degradability

The organic components of the product are biodegradable.

Bioaccumulation/Accumulation

No information available

Other adverse effects

No known effect

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of contents/container in accordance with local regulation

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

Transport regulations: No dangerous goods according to transport regulations
No special precautions required

Transport hazard class(es): N/A



Safety Data Sheet Micro-Blaze® Out

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

Revision date: 01.22.2021

Revision Summary

No information available

Disclaimer

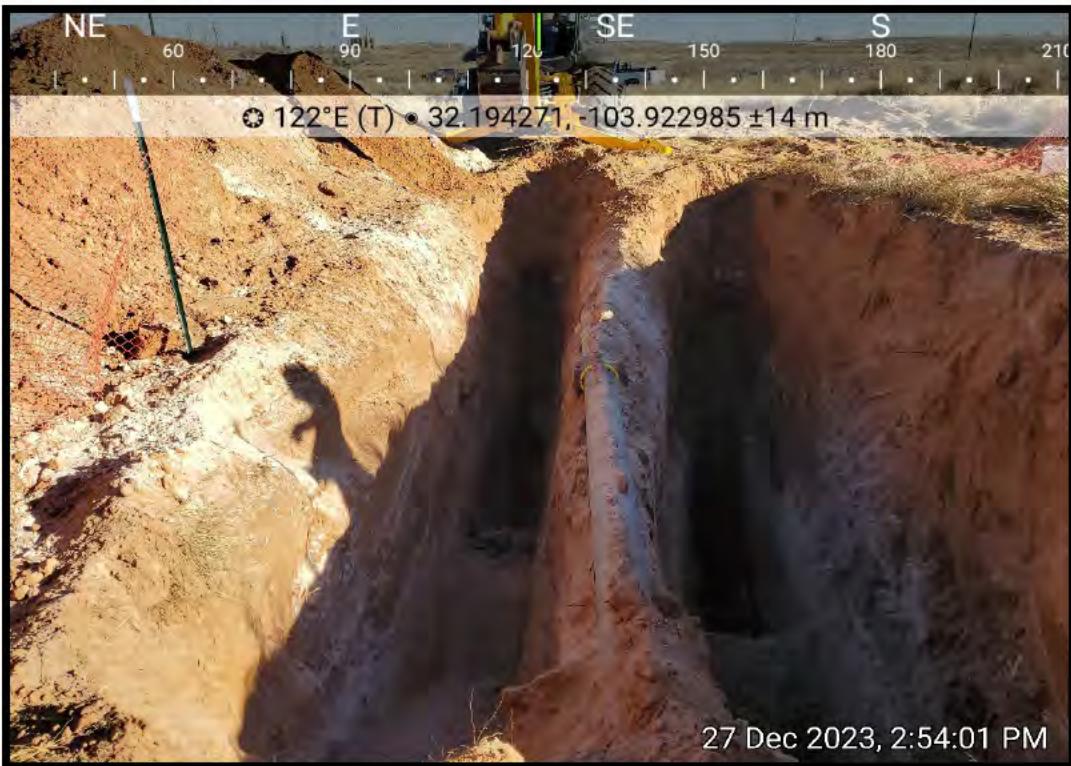
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Verde Environmental, Inc., it is the responsibility of the customer to determine the conditions of safe use of this preparation.



APPENDIX C

Photographic Documentation

Project: Trunk C Discharge
Entity: Enterprise Field Services, LLC
Ensolum Project #: 03B1226321
Incident ID: nAPP2333431605



Impacted area during remediation activities, facing east (12/27/2023).



Impacted area during remediation activities, facing southeast (12/29/2023).

Project: Trunk C Discharge
Entity: Enterprise Field Services, LLC
Ensolum Project #: 03B1226321
Incident ID: nAPP2333431605



Impacted area during remediation activities, facing west (01/18/2024).

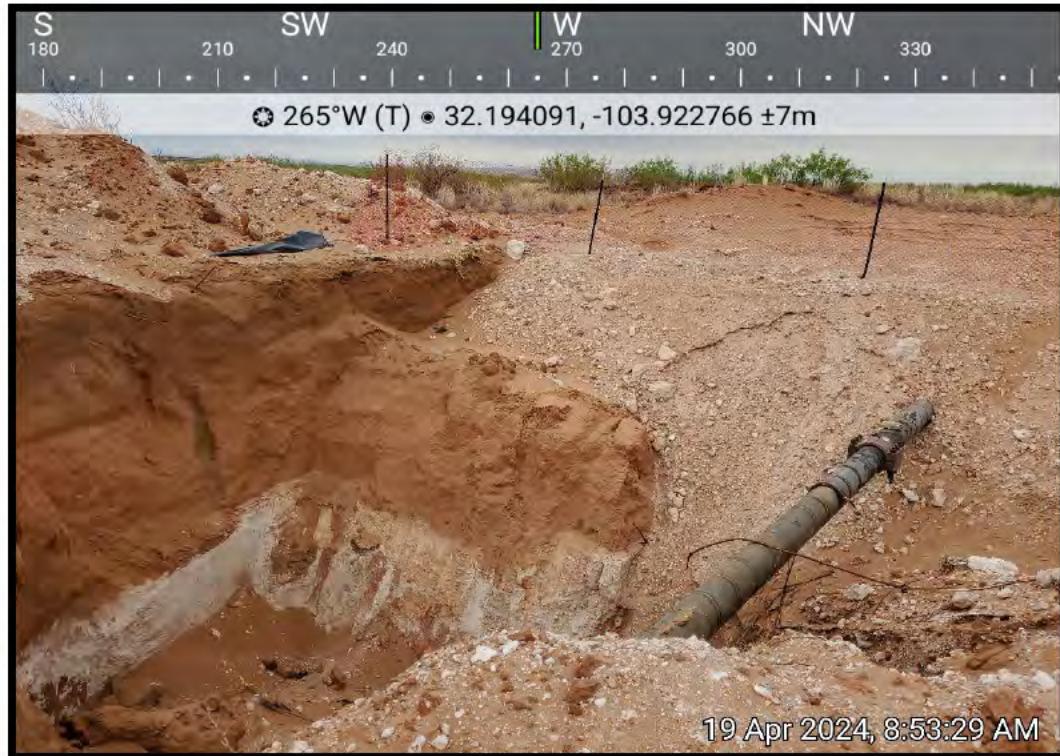


Impacted area during remediation activities, facing north (01/18/2024).

Project: Trunk C Discharge
Entity: Enterprise Field Services, LLC
Ensolum Project #: 03B1226321
Incident ID: nAPP2333431605



Impacted area during excavation activities, facing northwest (02/26/2024).



Impacted area during excavation activities, facing west (04/19/2024).

Project: Trunk C Discharge
Entity: Enterprise Field Services, LLC
Ensolum Project #: 03B1226321
Incident ID: nAPP2333431605

ENSOLUM



Impacted area during excavation activities, facing southeast (04/22/2024).



Impacted area after backfill and reseeding activities, facing northwest (05/08/2024).



APPENDIX D

Table

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Trunk C (WMH-V4E) Trunk (109171)
Enterprise Field Services, LLC
Eddy County, New Mexico
Ensolum Project No. 03B1226321

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Excavation Floor Soil Sample Analytical Results												
FS01	12/11/2023	4	0.10	1.2	0.90	4.8	7.0	250	100	300	650	370
	01/22/2024	14	<0.017	<0.034	<0.034	<0.068	<0.068	<3.4	<8.9	<45	<45	91
FS02	01/22/2024	14	<0.017	<0.033	<0.033	0.18	0.18	3.3	<8.8	<44	<44	66
FS03	01/29/2024	14	4.21	36.1	11.7	88.8	141	2,600	225	131	2,956	192
	02/26/2024	18	<0.050	<0.050	<0.050	<0.130	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS04	04/15/2024	5	<0.050	0.090	<0.050	0.249	0.339	<10.0	13.7	<10.0	13.7	64.0
FS05	04/15/2024	12	<0.050	2.11	1.82	21.3	25.3	368	85.6	53.2	507	80.0
	04/19/2024	20			NS			<10.0	<10.0	<10.0	<10.0	NS
FS06	04/29/2024	14	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
Composite Excavation Sidewall Soil Sample Analytical Results												
SW01	12/11/2023	0 - 4	<0.076	<0.15	<0.15	0.41	0.41	27	46	210	283	470
	01/22/2024	0 - 14	<0.018	<0.037	<0.037	<0.073	<0.073	<3.7	<8.9	<45	<45	<60
SW02	01/22/2024	0 - 14	<0.020	<0.040	<0.040	<0.080	<0.080	<4.0	<9.3	<46	<46	<60
SW03	01/22/2024	0 - 14	<0.015	<0.030	<0.030	<0.060	<0.060	<3.0	<9.1	<45	<45	<60
SW04	01/22/2024	0 - 14	<0.077	1.9	0.82	6.8	9.5	160	29	<48	189	<60
	01/29/2024	0 - 14	<0.050	<0.050	<0.050	<0.150	<0.300	49.2	61.5	64.3	176	32.0
	02/26/2024	0 - 18	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW05	04/15/2024	0 - 5	<0.050	0.100	<0.050	0.319	0.419	<10.0	20.8	<10.0	20.8	80.0
SW06	04/15/2024	0 - 6	<0.050	0.844	0.414	3.12	4.38	49.0	38.5	<10.0	87.5	112
SW07	04/15/2024	0 - 12	<0.050	1.05	0.908	11.3	13.3	156	56.2	45.1	257	32.0
	04/22/2024	0 - 12			NS			<10.0	<10.0	<10.0	<10.0	NS
SW08	04/15/2024	0 - 12	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
	04/19/2024	12 - 20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SW09	04/15/2024	0 - 12	<0.050	4.28	0.615	6.22	11.1	54.6	16.9	<10.0	71.5	48.0
	04/19/2024	12 - 20	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW10	04/29/2024	0 - 7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	04/29/2024	7 - 14	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Trunk C (WMH-V4E) Trunk (109171)
Enterprise Field Services, LLC
Eddy County, New Mexico
Ensolum Project No. 03B1226321

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Delineation Soil Sample Analytical Results												
DS01	04/15/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS02	04/15/2024	0.25	<0.050	0.777	0.525	4.71	6.01	30.3	11.5	<10.0	41.8	16.0
DS03	04/15/2024	0.25	<0.050	0.184	0.163	1.81	2.16	59.2	42.9	45.1	147	112
	04/19/2024	0.25		NS				<10.0	<10.0	<10.0	<10.0	NS
DS04	04/15/2024	0.25	<0.050	0.547	0.051	0.393	0.991	<10.0	<10.0	<10.0	<10.0	48.0
DS05	04/15/2024	0.25	<0.050	0.131	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS06	04/15/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS07	04/15/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
DS08	04/15/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS09	04/29/2024	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
Composite Stockpile Soil Sample Analytical Results												
Stockpile	12/11/2023	NA	<0.082	<0.16	0.18	1.4	1.6	89	110	470	669	370
Stockpile	01/22/2024	NA	0.087	1.2	0.34	3.0	3.3	54	21	61	136	68
Stockpile	04/15/2024	NA	<0.050	6.74	2.08	16.7	25.6	200	49.8	23.4	273	32.0

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

██████████ Additional Excavation and/or Re-Sample

bgs - below ground surface

mg/kg - milligrams per kilogram

NA - Not Applicable

NE - Not Established

BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil/Lube Oil Range Organics

TPH - Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



Environment Testing

Eurofins Environment Testing South

Central, LLC

4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

December 28, 2023

Kelly Lowery

Ensolum LLC

601 Marrenfield #400

Midland, TX 79701

TEL: (214) 733-3165

FAX:

RE: Trunk C WMH V4E Trunk 109171

OrderNo.: 2312729

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2312729**Date Reported: **12/28/2023**

CLIENT: Ensolum LLC	Client Sample ID: FS01				
Project: Trunk C WMH V4E Trunk 109171	Collection Date: 12/11/2023 8:09:00 AM				
Lab ID: 2312729-001	Matrix: MEOH (SOIL)		Received Date: 12/13/2023 7:50:00 AM		
Analyses	Result	RL	Qual	Units	DF
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					
Diesel Range Organics (DRO)	100	9.7	mg/Kg	1	12/13/2023 2:17:40 PM
Motor Oil Range Organics (MRO)	300	48	mg/Kg	1	12/13/2023 2:17:40 PM
Surr: DNOP	112	69-147	%Rec	1	12/13/2023 2:17:40 PM
EPA METHOD 8015D: GASOLINE RANGE					
Gasoline Range Organics (GRO)	250	15	mg/Kg	5	12/14/2023 12:25:12 AM
Surr: BFB	375	15-244	S	%Rec	5
EPA METHOD 8021B: VOLATILES					
Benzene	0.10	0.077	mg/Kg	5	12/14/2023 12:25:12 AM
Toluene	1.2	0.15	mg/Kg	5	12/14/2023 12:25:12 AM
Ethylbenzene	0.90	0.15	mg/Kg	5	12/14/2023 12:25:12 AM
Xylenes, Total	4.8	0.31	mg/Kg	5	12/14/2023 12:25:12 AM
Surr: 4-Bromofluorobenzene	121	39.1-146	%Rec	5	12/14/2023 12:25:12 AM
EPA METHOD 300.0: ANIONS					
Chloride	370	60	mg/Kg	20	12/13/2023 9:48:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2312729

Date Reported: 12/28/2023

CLIENT: Ensolum LLC	Client Sample ID: SW01				
Project: Trunk C WMH V4E Trunk 109171	Collection Date: 12/11/2023 8:11:00 AM				
Lab ID: 2312729-002	Matrix: MEOH (SOIL)		Received Date: 12/13/2023 7:50:00 AM		
Analyses	Result	RL	Qual	Units	DF
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					
Diesel Range Organics (DRO)	46	9.6	mg/Kg	1	12/15/2023 10:12:27 AM
Motor Oil Range Organics (MRO)	210	48	mg/Kg	1	12/15/2023 10:12:27 AM
Surr: DNOP	97.9	69-147	%Rec	1	12/15/2023 10:12:27 AM
EPA METHOD 8015D: GASOLINE RANGE					
Gasoline Range Organics (GRO)	27	15	mg/Kg	5	12/14/2023 12:49:11 AM
Surr: BFB	141	15-244	%Rec	5	12/14/2023 12:49:11 AM
EPA METHOD 8021B: VOLATILES					
Benzene	ND	0.076	mg/Kg	5	12/14/2023 12:49:11 AM
Toluene	ND	0.15	mg/Kg	5	12/14/2023 12:49:11 AM
Ethylbenzene	ND	0.15	mg/Kg	5	12/14/2023 12:49:11 AM
Xylenes, Total	0.41	0.31	mg/Kg	5	12/14/2023 12:49:11 AM
Surr: 4-Bromofluorobenzene	104	39.1-146	%Rec	5	12/14/2023 12:49:11 AM
EPA METHOD 300.0: ANIONS					
Chloride	470	60	mg/Kg	20	12/13/2023 10:03:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312729

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: MB-79363	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79363	RunNo: 101822								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754014 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	ND	1.5								

Sample ID: LCS-79363	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79363	RunNo: 101822								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754015 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	14	1.5 15.00 0 95.3 90 110								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312729

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: 2312729-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: FS01	Batch ID: 79350	RunNo: 101833								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754496 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.9	49.31	101.3	57.9	54.2	135			
Sur: DNOP	5.8		4.931		119	69	147			
Sample ID: 2312729-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: FS01	Batch ID: 79350	RunNo: 101833								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754498 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	9.6	47.80	101.3	30.8	54.2	135	11.3	29.2	S
Sur: DNOP	5.2		4.780		108	69	147	0	0	
Sample ID: MB-79350	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 79350	RunNo: 101833								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754727 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Sur: DNOP	10		10.00		100	69	147			
Sample ID: LCS-79350	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 79350	RunNo: 101833								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754728 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.5	61.9	130			
Sur: DNOP	4.5		5.000		90.9	69	147			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312729

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: 2.5UG GRO LCS	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch ID: GS101798	RunNo: 101798									
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752235 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	70	130				
Sur: BFB	2100		1000		209	15	244				

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch ID: GS101798	RunNo: 101798									
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752237 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Sur: BFB	990		1000		98.8	15	244				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312729

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: 100NG BTEX LCS	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: BS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752248 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.9	70	130			
Toluene	0.92	0.050	1.000	0	91.7	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.5	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.1	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: BS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752249 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		



Environment Testin

*Eurofins Environment Testing South
Central, LLC*
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Ensolum LLC Work Order Number: 2312729 RcptNo: 1

Received By: Tracy Casarrubias 12/13/2023 7:50:00 AM

Completed By: Tracy Casarrubias 12/13/2023 8:28:33 AM

Reviewed By: *Tracy Casarrubias 12/13/23*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:
(<2 or >12 unless noted)

Adjusted? _____

Checked by: *Tracy Casarrubias 12/13/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	Date:
By Whom:	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	
Client Instructions:	(City, state, and zip code on mailing address and clients date and time of relinquishment are)

16. Additional remarks:

Date and time of client's relinquish signature does not match drivers

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good	Yes	Yogi		



Environment Testing

Eurofins Environment Testing South

Central, LLC

4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

December 28, 2023

Kelly Lowery

Ensolum LLC

601 Marrenfield #400

Midland, TX 79701

TEL: (214) 733-3165

FAX:

RE: Trunk C WMH V4E Trunk 109171

OrderNo.: 2312731

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 12/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2312731

Date Reported: 12/28/2023

CLIENT: Ensolum LLC	Client Sample ID: Stock Pile				
Project: Trunk C WMH V4E Trunk 109171	Collection Date: 12/11/2023 10:02:00 AM				
Lab ID: 2312731-001	Matrix: MEOH (SOIL)		Received Date: 12/13/2023 7:50:00 AM		
Analyses	Result	RL	Qual	Units	DF
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					
Diesel Range Organics (DRO)	110	93		mg/Kg	10
Motor Oil Range Organics (MRO)	470	460		mg/Kg	10
Surr: DNOP	0	69-147	S	%Rec	10
EPA METHOD 8015D: GASOLINE RANGE					
Gasoline Range Organics (GRO)	89	16		mg/Kg	5
Surr: BFB	248	15-244	S	%Rec	5
EPA METHOD 8021B: VOLATILES					
Benzene	ND	0.082		mg/Kg	5
Toluene	ND	0.16		mg/Kg	5
Ethylbenzene	0.18	0.16		mg/Kg	5
Xylenes, Total	1.4	0.33		mg/Kg	5
Surr: 4-Bromofluorobenzene	107	39.1-146		%Rec	5
EPA METHOD 300.0: ANIONS					
Chloride	370	60		mg/Kg	20
Analyst: DGH					
Analyst: JJP					
Analyst: SNS					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312731

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: MB-79363	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79363	RunNo: 101822								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754014 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	ND	1.5								

Sample ID: LCS-79363	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79363	RunNo: 101822								
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754015 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	14	1.5 15.00 0 95.3 90 110								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312731

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: MB-79350	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batch ID: 79350	RunNo: 101833									
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754727 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	10		10.00		100	69	147				

Sample ID: LCS-79350	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch ID: 79350	RunNo: 101833									
Prep Date: 12/13/2023	Analysis Date: 12/13/2023	SeqNo: 3754728 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	10	50.00	0	97.5	61.9	130				
Surr: DNOP	4.5		5.000		90.9	69	147				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312731

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: 2.5UG GRO LCS	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: GS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752235 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	70	130			
Sur: BFB	2100		1000		209	15	244			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: GS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752237 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Sur: BFB	990		1000		98.8	15	244			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2312731

28-Dec-23

Client: Ensolum LLC**Project:** Trunk C WMH V4E Trunk 109171

Sample ID: 100NG BTEX LCS	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: BS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752248 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.9	70	130			
Toluene	0.92	0.050	1.000	0	91.7	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.5	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.1	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: BS101798	RunNo: 101798								
Prep Date: 	Analysis Date: 12/13/2023	SeqNo: 3752249 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: Ensolum LLC Work Order Number: 2312731 RcptNo: 1

Received By: Tracy Casarrubias 12/13/2023 7:50:00 AM

Completed By: Tracy Casarrubias 12/13/2023 8:35:50 AM

Reviewed By: *Tracy Casarrubias 12/13/2023*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody)

Yes No

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met?
(If no, notify customer for authorization.)

Yes No

of preserved bottles checked for pH:
(<2 or >12 unless noted)

Adjusted?

Checked by: *Tracy Casarrubias 12/13/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	Date:
By Whom:	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	
Client Instructions:	City, state, and zip code on mailing address and clients date and time of relinquishment are

16. Additional remarks:

Date and time of client's relinquish signature does not match drivers

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good	Yes	Yogi		



Environment Testing

Eurofins Environment Testing South

Central, LLC

4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

January 30, 2024

Kelly Lowery

Ensolum LLC

601 Marrenfield #400

Midland, TX 79701

TEL: (214) 733-3165

FAX:

RE: Trunk CCWMH V4E Trunk 109171

OrderNo.: 2401924

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 7 sample(s) on 1/24/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2401924**Date Reported: **1/30/2024****CLIENT:** Ensolum LLC**Client Sample ID:** FS01**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:36:00 AM**Lab ID:** 2401924-001**Matrix:** MEOH (SOIL) **Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/24/2024 11:38:22 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 11:38:22 AM
Surr: DNOP	89.5	69-147		%Rec	1	1/24/2024 11:38:22 AM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	1/24/2024 1:07:40 PM
Surr: BFB	105	15-244		%Rec	1	1/24/2024 1:07:40 PM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.017		mg/Kg	1	1/24/2024 1:07:40 PM
Toluene	ND	0.034		mg/Kg	1	1/24/2024 1:07:40 PM
Ethylbenzene	ND	0.034		mg/Kg	1	1/24/2024 1:07:40 PM
Xylenes, Total	ND	0.068		mg/Kg	1	1/24/2024 1:07:40 PM
Surr: 4-Bromofluorobenzene	90.1	39.1-146		%Rec	1	1/24/2024 1:07:40 PM
EPA METHOD 300.0: ANIONS						
Chloride	91	60		mg/Kg	20	1/24/2024 12:41:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2401924**Date Reported: **1/30/2024****CLIENT:** Ensolum LLC**Client Sample ID:** FS02**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:50:00 AM**Lab ID:** 2401924-002**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	1/24/2024 11:50:19 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/24/2024 11:50:19 AM
Surr: DNOP	88.8	69-147		%Rec	1	1/24/2024 11:50:19 AM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	3.3	3.3		mg/Kg	1	1/24/2024 1:31:28 PM
Surr: BFB	133	15-244		%Rec	1	1/24/2024 1:31:28 PM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.017		mg/Kg	1	1/24/2024 1:31:28 PM
Toluene	ND	0.033		mg/Kg	1	1/24/2024 1:31:28 PM
Ethylbenzene	ND	0.033		mg/Kg	1	1/24/2024 1:31:28 PM
Xylenes, Total	0.18	0.066		mg/Kg	1	1/24/2024 1:31:28 PM
Surr: 4-Bromofluorobenzene	93.9	39.1-146		%Rec	1	1/24/2024 1:31:28 PM
EPA METHOD 300.0: ANIONS						
Chloride	66	60		mg/Kg	20	1/24/2024 1:26:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2401924

Date Reported: 1/30/2024

CLIENT: Ensolum LLC**Client Sample ID:** SW01**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:34:00 AM**Lab ID:** 2401924-003**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/24/2024 12:02:20 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 12:02:20 PM
Surr: DNOP	88.0	69-147		%Rec	1	1/24/2024 12:02:20 PM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	1/24/2024 1:55:16 PM
Surr: BFB	107	15-244		%Rec	1	1/24/2024 1:55:16 PM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.018		mg/Kg	1	1/24/2024 1:55:16 PM
Toluene	ND	0.037		mg/Kg	1	1/24/2024 1:55:16 PM
Ethylbenzene	ND	0.037		mg/Kg	1	1/24/2024 1:55:16 PM
Xylenes, Total	ND	0.073		mg/Kg	1	1/24/2024 1:55:16 PM
Surr: 4-Bromofluorobenzene	91.6	39.1-146		%Rec	1	1/24/2024 1:55:16 PM
EPA METHOD 300.0: ANIONS						
Chloride	ND	60		mg/Kg	20	1/24/2024 1:41:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2401924**Date Reported: **1/30/2024****CLIENT:** Ensolum LLC**Client Sample ID:** SW02**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:41:00 AM**Lab ID:** 2401924-004**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/24/2024 12:14:18 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/24/2024 12:14:18 PM
Surr: DNOP	91.6	69-147		%Rec	1	1/24/2024 12:14:18 PM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	1/24/2024 2:19:02 PM
Surr: BFB	106	15-244		%Rec	1	1/24/2024 2:19:02 PM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.020		mg/Kg	1	1/24/2024 2:19:02 PM
Toluene	ND	0.040		mg/Kg	1	1/24/2024 2:19:02 PM
Ethylbenzene	ND	0.040		mg/Kg	1	1/24/2024 2:19:02 PM
Xylenes, Total	ND	0.080		mg/Kg	1	1/24/2024 2:19:02 PM
Surr: 4-Bromofluorobenzene	89.3	39.1-146		%Rec	1	1/24/2024 2:19:02 PM
EPA METHOD 300.0: ANIONS						
Chloride	ND	60		mg/Kg	20	1/24/2024 1:57:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2401924

Date Reported: 1/30/2024

CLIENT: Ensolum LLC**Client Sample ID:** SW03**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:53:00 AM**Lab ID:** 2401924-005**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/24/2024 12:26:17 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 12:26:17 PM
Surr: DNOP	90.7	69-147		%Rec	1	1/24/2024 12:26:17 PM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	1/24/2024 2:42:46 PM
Surr: BFB	98.4	15-244		%Rec	1	1/24/2024 2:42:46 PM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.015		mg/Kg	1	1/24/2024 2:42:46 PM
Toluene	ND	0.030		mg/Kg	1	1/24/2024 2:42:46 PM
Ethylbenzene	ND	0.030		mg/Kg	1	1/24/2024 2:42:46 PM
Xylenes, Total	ND	0.060		mg/Kg	1	1/24/2024 2:42:46 PM
Surr: 4-Bromofluorobenzene	87.0	39.1-146		%Rec	1	1/24/2024 2:42:46 PM
EPA METHOD 300.0: ANIONS						
Chloride	ND	60		mg/Kg	20	1/24/2024 2:12:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2401924

Date Reported: 1/30/2024

CLIENT: Ensolum LLC**Client Sample ID:** SW04**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 9:55:00 AM**Lab ID:** 2401924-006**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	29	9.6		mg/Kg	1	1/24/2024 12:38:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/24/2024 12:38:23 PM
Surr: DNOP	88.6	69-147		%Rec	1	1/24/2024 12:38:23 PM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	160	15		mg/Kg	5	1/25/2024 1:25:36 AM
Surr: BFB	274	15-244	S	%Rec	5	1/25/2024 1:25:36 AM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.077		mg/Kg	5	1/25/2024 1:25:36 AM
Toluene	1.9	0.15		mg/Kg	5	1/25/2024 1:25:36 AM
Ethylbenzene	0.82	0.15		mg/Kg	5	1/25/2024 1:25:36 AM
Xylenes, Total	6.8	0.31		mg/Kg	5	1/25/2024 1:25:36 AM
Surr: 4-Bromofluorobenzene	99.1	39.1-146		%Rec	5	1/25/2024 1:25:36 AM
EPA METHOD 300.0: ANIONS						
Chloride	ND	60		mg/Kg	20	1/24/2024 2:27:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**Lab Order **2401924**Date Reported: **1/30/2024****CLIENT:** Ensolum LLC**Client Sample ID:** Stock**Project:** Trunk CCWMH V4E Trunk 109171**Collection Date:** 1/22/2024 11:14:00 AM**Lab ID:** 2401924-007**Matrix:** MEOH (SOIL)**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	21	9.7		mg/Kg	1	1/24/2024 12:50:31 PM
Motor Oil Range Organics (MRO)	61	49		mg/Kg	1	1/24/2024 12:50:31 PM
Surr: DNOP	90.8	69-147		%Rec	1	1/24/2024 12:50:31 PM
EPA METHOD 8015D: GASOLINE RANGE						
Gasoline Range Organics (GRO)	54	3.2		mg/Kg	1	1/25/2024 1:49:25 AM
Surr: BFB	439	15-244	S	%Rec	1	1/25/2024 1:49:25 AM
EPA METHOD 8021B: VOLATILES						
Benzene	0.087	0.016		mg/Kg	1	1/25/2024 1:49:25 AM
Toluene	1.2	0.032		mg/Kg	1	1/25/2024 1:49:25 AM
Ethylbenzene	0.34	0.032		mg/Kg	1	1/25/2024 1:49:25 AM
Xylenes, Total	3.0	0.065		mg/Kg	1	1/25/2024 1:49:25 AM
Surr: 4-Bromofluorobenzene	109	39.1-146		%Rec	1	1/25/2024 1:49:25 AM
EPA METHOD 300.0: ANIONS						
Chloride	68	60		mg/Kg	20	1/24/2024 2:42:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2401924

30-Jan-24

Client: Ensolum LLC**Project:** Trunk CCWMH V4E Trunk 109171

Sample ID: MB-80070	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 80070	RunNo: 102655								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3793184 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	ND	1.5								

Sample ID: LCS-80070	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 80070	RunNo: 102655								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3793185 Units: mg/Kg								
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	14	1.5 15.00 0 95.1 90 110								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2401924

30-Jan-24

Client: Ensolum LLC**Project:** Trunk CCWMH V4E Trunk 109171

Sample ID: MB-80061	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 80061	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3792423 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0	10.00			90.1	69	147			

Sample ID: LCS-80061	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 80061	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3792424 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	42	10	50.00	0	84.3	61.9	130			
Surr: DNOP	4.3		5.000		85.7	69	147			

Sample ID: 2401924-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: FS01	Batch ID: 80061	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3792437 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	34	9.5	47.30	0	72.2	54.2	135			
Surr: DNOP	4.1		4.730		87.3	69	147			

Sample ID: 2401924-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: FS01	Batch ID: 80061	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3792438 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	40	9.3	46.43	0	86.7	54.2	135	16.4	29.2	
Surr: DNOP	4.0		4.643		86.1	69	147	0	0	

Sample ID: MB-80076	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 80076	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3793415 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: DNOP	8.5	10.00			84.6	69	147			

Sample ID: LCS-80076	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 80076	RunNo: 102657								
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3793416 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Released to Imaging: 11/18/2025 11:37:13 AM

B Analyte detected in the associated Method Blank
 E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2401924

30-Jan-24

Client: Ensolum LLC**Project:** Trunk CCWMH V4E Trunk 109171

Sample ID: LCS-80076	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 80076	RunNo: 102657
Prep Date: 1/24/2024	Analysis Date: 1/24/2024	SeqNo: 3793416 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sur: DNOP

4.4

5.000

88.4

69

147

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 12

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2401924

30-Jan-24

Client: Ensolum LLC**Project:** Trunk CCWMH V4E Trunk 109171

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch ID: GS102647	RunNo: 102647									
Prep Date: 	Analysis Date: 1/24/2024	SeqNo: 3792240 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.2	70	130				
Sur: BFB	2100		1000		214	15	244				

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch ID: GS102647	RunNo: 102647									
Prep Date: 	Analysis Date: 1/24/2024	SeqNo: 3792241 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Sur: BFB	990		1000		99.1	15	244				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2401924

30-Jan-24

Client: Ensolum LLC**Project:** Trunk CCWMH V4E Trunk 109171

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: BS102647	RunNo: 102647								
Prep Date: 	Analysis Date: 1/24/2024	SeqNo: 3792243 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.91	0.025	1.000	0	90.9	70	130			
Toluene	0.91	0.050	1.000	0	91.2	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.2	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.8	70	130			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.2	39.1	146			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: BS102647	RunNo: 102647								
Prep Date: 	Analysis Date: 1/24/2024	SeqNo: 3792244 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	39.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: Ensolum LLC Work Order Number: 2401924 RptNo: 1

Received By: Tracy Casarrubias 1/24/2024 7:15:00 AM

Completed By: Tracy Casarrubias 1/24/2024 8:03:41 AM

Reviewed By: *CMC* 1/24/24

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:
<2 or >12 unless noted)
Adjusted? _____
Checked by: *SCM* 1/24/24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	Date:
By Whom:	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	
Client Instructions: Full mailing address is missing on COC- TMC 1/24/24	

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Yes	Yogi		



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 30, 2024

KELLY LOWERY
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/29/2024 Sampling Date: 01/29/2024
 Reported: 01/30/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Shalyn Rodriguez
 Project Location: EDDY COUNTY, NM

Sample ID: SW 04 0'-14' (H240395-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2024	ND	1.85	92.6	2.00	7.25		
Toluene*	0.050	0.050	01/29/2024	ND	1.96	97.9	2.00	6. 6		
Ethylbenzene*	0.050	0.050	01/29/2024	ND	1.96	97.8	2.00	6.18		
Total Xylenes*	0.150	0.150	01/29/2024	ND	5.92	98.6	6.00	6.47		
Total BTEX	0. 00	0. 00	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6 C10*	49.2	10.0	01/ 0/2024	ND	20	101	200	1 .5		
DRO C10 C28*	61.5	10.0	01/ 0/2024	ND	20	102	200	4.70		
EXT DRO C28 C36	64.3	10.0	01/ 0/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/29/2024 Sampling Date: 01/29/2024
 Reported: 01/30/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Shalyn Rodriguez
 Project Location: EDDY COUNTY, NM

Sample ID: FS 03 14' (H240395-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	4.21	1.00	01/30/2024	ND	1.85	92.6	2.00	7.25	GC-NC1	
Toluene*	36.1	1.00	01/30/2024	ND	1.96	97.9	2.00	6.36		
Ethylbenzene*	11.7	1.00	01/30/2024	ND	1.96	97.8	2.00	6.18		
Total Xylenes*	88.8	3.00	01/30/2024	ND	5.92	98.6	6.00	6.47		
Total BTEX	141	6.00	01/30/2024	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/30/2024	ND	432	108	400	3.77		
TPH 8015M	mg/kg	Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2600	10.0	01/30/2024	ND	203	101	200	13.5		
DRO >C10-C28*	225	10.0	01/30/2024	ND	203	102	200	4.70		
EXT DRO >C28-C36	131	10.0	01/30/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 29, 2024

KELLY LOWERY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: TRUNK C (WMH-V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 02/26/24 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSLUM
 KELLY LOWERY
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B122G321	Sample Received By:	Dionica Hinojos
Project Location:	EDDY COUNTY, NM		

Sample ID: SW04 0 - 18' (H240922-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*		<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*		<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*		<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTEX		<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: AC						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		16.0	16.0	02/28/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6 C10*		10.0	10.0	02/27/2024	ND	188	9 .8	200	0.694	
DRO C10 C28*		10.0	10.0	02/27/2024	ND	186	9 .2	200	4. 8	
EXT DRO C28 C 6		10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSLUM
 KELLY LOWERY
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH-V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B122G321	Sample Received By:	Dionica Hinojos
Project Location:	EDDY COUNTY, NM		

Sample ID: FS03 18' (H240922-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2024	ND	2.27	113	2.00	2.18		
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79		
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84		
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39		
Total BTEX	<0.300	0.300	02/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/28/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/27/2024	ND	188	93.8	200	0.694		
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38		
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND						

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

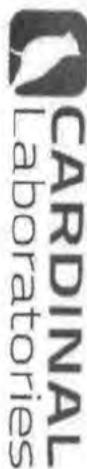
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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 17, 2024

KELLY LOWERY
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/17/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.194082, -103.923084		

Sample ID: FS 04 5 (H241972-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.090	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	0.249	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	0.339	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6 C10*	10.0	10.0	04/16/2024	ND	181	90.	200	0.802		
DRO C10 C28*	13.7	10.0	04/16/2024	ND	171	85.4	200	.1		
EXT DRO C28 C 6	10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: FS 05 12 (H241972-10)

BTEX 8021B		mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36	GC-NC	
Toluene*	2.11	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	1.82	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	21.3	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	25.3	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 164 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/16/2024	ND	432	108	400	0.00	
TPH 8015M									

Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		368	10.0	04/16/2024	ND	181	90.3	200	0.802	
DRO >C10-C28*		85.6	10.0	04/16/2024	ND	171	85.4	200	3.13	
EXT DRO >C28-C36		53.2	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: SW 05 0-5 (H241972-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.100	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	0.319	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	0.419	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/16/2024	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	20.8	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: SW 06 0-6 (H241972-12)

BTEX 8021B		mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.844	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.414	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	3.12	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	4.38	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/16/2024	ND	432	108	400	0.00	
TPH 8015M									
mg/kg									Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	49.0	10.0	04/16/2024	ND	181	90.3	200	0.802	
DRO >C10-C28*	38.5	10.0	04/16/2024	ND	171	85.4	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/17/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH - V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.194082, -103.923084		

Sample ID: SW 07 0-12 (H241972-13)

BTEX 8021B		mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36	GC-NC	
Toluene*	1.05	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.908	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	11.3	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	13.3	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 149 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	0.00	
TPH 8015M									

Analyte		Result		Reporting Limit		Analyzed		Method Blank		BS		% Recovery		True Value QC		RPD		Qualifier	
GRO C6-C10*	156	10.0	04/16/2024	ND	181	90.3	200	0.802											
DRO >C10-C28*	56.2	10.0	04/16/2024	ND	171	85.4	200	3.13											
EXT DRO >C28-C36	45.1	10.0	04/16/2024	ND															

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: SW 08 0-12 (H241972-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	<0.050	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: SW 09 0-12 (H241972-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36	GC-NC	
Toluene*	4.28	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.615	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	6.22	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	11.1	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/16/2024	ND	432	108	400	0.00		
TPH 8015M										

Analyte		Result		Reporting Limit		Analyzed		Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	54.6	10.0	04/16/2024	ND	181	90.3	200	0.802						
DRO >C10-C28*	16.9	10.0	04/16/2024	ND	171	85.4	200	3.13						
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND										

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM 07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/07/21

[†] Cardinal cannot accept verbal changes. Please email changes to cley.kenne@cardinalbkn.com

Page 10 of 12



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R.3.2 (007/2)

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to caleykeene@cardinallabsnm.com



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 17, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 01 0.25 (H241972-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	<0.050	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6 C10*	10.0	10.0	04/15/2024	ND	181	90.	200	0.802		
DRO C10 C28*	10.0	10.0	04/15/2024	ND	171	85.4	200	.1		
EXT DRO C28 C 6	10.0	10.0	04/15/2024	ND						

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 02 0.25 (H241972-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.777	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.525	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	4.71	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	6.01	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/16/2024	ND	432	108	400	3.64		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	30.3	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	11.5	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 03 0.25 (H241972-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.184	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.163	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	1.81	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	2.16	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/16/2024	ND	432	108	400	3.64		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	59.2	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	42.9	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	45.1	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/17/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH - V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.194082, -103.923084		

Sample ID: DS 04 0.25 (H241972-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36	GC-NC	
Toluene*	0.547	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	0.051	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	0.393	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	0.991	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/16/2024	ND	432	108	400	3.64		
TPH 8015M										

Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 05 0.25 (H241972-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	0.131	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	3.64		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 06 0.25 (H241972-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	<0.050	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 07 0.25 (H241972-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	<0.050	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/15/2024 Sampling Date: 04/15/2024
 Reported: 04/17/2024 Sampling Type: Soil
 Project Name: TRUNK C (WMH - V4E) TRUNK (109171) Sampling Condition: Cool & Intact
 Project Number: 03B1226321 Sample Received By: Tamara Oldaker
 Project Location: 32.194082, -103.923084

Sample ID: DS 08 0.25 (H241972-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36		
Toluene*	<0.050	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	<0.300	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	181	90.3	200	0.802		
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	171	85.4	200	3.13		
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND						

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 32100721

↑ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 11 of 13



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R.3.2 (007/2)

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to caleykeene@cardinallabsnm.com



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 17, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/17/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.194082, -103.923084		

Sample ID: STOCK PILE (H241972-16)

BTEX 8021B		mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.09	105	2.00	1.36	GC-NC	
Toluene*	6.74	0.050	04/15/2024	ND	2.26	113	2.00	1.39		
Ethylbenzene*	2.08	0.050	04/15/2024	ND	2.29	115	2.00	2.61		
Total Xylenes*	16.7	0.150	04/15/2024	ND	6.84	114	6.00	2.25		
Total BTEX	25.6	0.300	04/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 141 % 71.5-134

Chloride, SM4500Cl B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6 C10*	200	10.0	04/16/2024	ND	181	90.	200	0.802	
DRO C10 C28*	49.8	10.0	04/16/2024	ND	171	85.4	200	.1	
EXT DRO C28 C36	23.4	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM 07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 32100721

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Page 4 of 6



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/12

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2226 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marientfeld St. SITE 400

City: Midland

State: TX Zip: 79701 Email: klowery@ensolum.com

Phone #: 214-733-3165

Project #: 03B1226321 Project Owner:

Project Name: Trunk C (W/MH-L4E) Trunk (109171)

Project Location: 32.194082, -103.923084

Sampler Name: Kaoru Shimada

Phone #: 512-442-1111

Email:

BILL TO

ANALYSIS REQUEST

BTEX 8021B
TPH 8015M
Chloride 4500

Matrix: (G)RAB OR (C)OMP.

CONTAINERS

Sample Depth (feet)

Sample I.D.

Lab I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

Sample Depth (feet)

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

Sample Depth (feet)

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

Sample Depth (feet)

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

Sample Depth (feet)

PLEASE NOTE: Laundry and Damage - Carefully handle and don't handle items for any stain, strong odors or damage. Items should be cleaned with care. Items in working and received by Cardinal within 30 days after completion of the analytical service. An item, including, but not limited to, any other cause, whatsoever, shall be deemed to have been damaged without exception. Damage, including, without limitation, breakage, deformation, loss of color, or loss of parts received by Cardinal, regardless of whether such claim is based upon any of the above, will not be compensated. Affiliates or subcontractors are not entitled to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above, and damage is not reimbursed.

Verbal Result: Yes No Add'l Phone #: _____



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 22, 2024

KELLY LOWERY
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TRUNK C (WMH - V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 04/19/24 13:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain of custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/19/2024	Sampling Date:	04/19/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH - V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.1940874, -103.9230931		

Sample ID: FS 05 20' (H242114-01)

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*		<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36		<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Sample ID: SW 08 12-20' (H242114-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09	
Toluene*		<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93	
Ethylbenzene*		<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78	
Total Xylenes*		<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84	
Total BTEX		<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI B		mg/kg		Analyzed By: AC						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		96.0	16.0	04/22/2024	ND	480	120	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms						

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/19/2024	Sampling Date:	04/19/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH - V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.1940874, -103.9230931		

Sample ID: SW 08 12-20' (H242114-02)

TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/19/2024	Sampling Date:	04/19/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH - V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Tamara Oldaker
Project Location:	32.1940874, -103.9230931		

Sample ID: SW 09 12-20' (H242114-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09	
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation business interruptions loss of use or loss of profits incurred by client its subsidiaries affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 24, 2024

KELLY LOWERY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: TRUNK C (WMH-V4E) TRUNK (109171)

Enclosed are the results of analyses for samples received by the laboratory on 04/23/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSLUM
 KELLY LOWERY
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	04/23/2024	Sampling Date:	04/22/2024
Reported:	04/24/2024	Sampling Type:	Soil
Project Name:	TRUNK C (WMH V4E) TRUNK (109171)	Sampling Condition:	Cool & Intact
Project Number:	03B1226321	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE- EDDY COUNTY, NM		

Sample ID: SW07 0-12' (H242149-01)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2024	ND	199	99.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	213	107	200	4.32	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					
<i>Surrogate: 1-Chlorooctane</i>	97.0 %	48.2-134							
<i>Surrogate: 1-Chlorooctadecane</i>	102 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celev.ken@cardinalallison.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 01, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TRUNK C TRUNK

Enclosed are the results of analyses for samples received by the laboratory on 04/29/24 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 10 7 - 14'	H242276-01	Soil	29-Apr-24 08:30	29-Apr-24 15:44
SW - 10 0 - 7'	H242276 02	Soil	29-Apr-24 08:48	29-Apr-24 15:44
FS - 06 14'	H242276-03	Soil	29-Apr-24 09:20	29-Apr-24 15:44
DS - 09 0 - .25'	H242276-04	Soil	29-Apr-24 09:16	29-Apr-24 15:44

05/01/24 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 04/30/24.

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

SW - 10 7 - 14'
H242276-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0	16.0	mg/kg	4	4043011	HM	30-Apr-24	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4042938	JH	29-Apr-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4042938	JH	29-Apr-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4042938	JH	29-Apr-24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4042938	JH	29-Apr-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4042938	JH	29-Apr-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	117 %	71.5-134	4042938	JH	29-Apr-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B
Surrogate: 1-Chlorooctane		103 %	48.2-134		4042935	MS	30-Apr-24	8015B
Surrogate: 1-Chlorooctadecane		97.1 %	49.1-148		4042935	MS	30-Apr-24	8015B

Cardinal Laboratories

*=Accredited Analyte

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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

SW - 10 0 - 7'
H242276-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	4043011	HM	30-Apr-24	4500-Cl-B
----------	------	------	-------	---	---------	----	-----------	-----------

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4042938	JH	30 Apr 24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4042938	JH	30-Apr-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4042938	JH	30-Apr-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	118 %	71.5-134	4042938	JH	30-Apr-24	8021B
---------------------------------------	-------	----------	---------	----	-----------	-------

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4042935	MS	30-Apr-24	8015B

Surrogate: 1-Chlorooctane	101 %	48.2-134	4042935	MS	30-Apr-24	8015B
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Surrogate: 1-Chlorooctadecane	95.7 %	49.1-148	4042935	MS	30-Apr-24	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

FS - 06 14'
H242276-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	4043011	HM	30-Apr-24	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4042938	JH	30 Apr 24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4042938	JH	30-Apr-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4042938	JH	30-Apr-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	122 %	71.5-134	4042938	JH	30-Apr-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B

Surrogate: 1-Chlorooctane	96.8 %	48.2-134	4042939	MS	30-Apr-24	8015B
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Surrogate: 1-Chlorooctadecane	95.6 %	49.1-148	4042939	MS	30-Apr-24	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393 2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

DS - 09 0 - .25'
H242276-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0	16.0	mg/kg	4	4043011	HM	30-Apr-24	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4042938	JH	30-Apr-24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4042938	JH	30-Apr-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4042938	JH	30-Apr-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	4042938	JH	30-Apr-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4042939	MS	30-Apr-24	8015B
Surrogate: 1-Chlorooctane	75.4 %	48.2-134	4042939	MS	30-Apr-24	8015B		
Surrogate: 1-Chlorooctadecane	73.6 %	49.1-148	4042939	MS	30-Apr-24	8015B		

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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 4043011 - 1:4 DI Water**Blank (4043011-BLK1)**

Chloride ND 16.0 mg/kg

Prepared & Analyzed: 30-Apr-24

LCS (4043011-BS1)

Chloride 432 16.0 mg/kg 400 108 80-120

Prepared & Analyzed: 30-Apr-24

LCS Dup (4043011-BSD1)

Chloride 400 16.0 mg/kg 400 100 80-120 7.69 20

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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 4042938 - Volatiles

Blank (4042938-BLK1)				Prepared & Analyzed: 29-Apr-24			
	Result	Reporting Limit	Units				
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0568		mg/kg	0.0500	114	71.5-134	

LCS (4042938-BS1)				Prepared & Analyzed: 29-Apr-24			
	Result	Reporting Limit	Units				
Benzene	2.15	0.050	mg/kg	2.00	108	82.8-130	
Toluene	2.20	0.050	mg/kg	2.00	110	86-128	
Ethylbenzene	2.36	0.050	mg/kg	2.00	118	85.9-128	
m,p-Xylene	4.82	0.100	mg/kg	4.00	121	89-129	
o-Xylene	2.41	0.050	mg/kg	2.00	120	86.1-125	
Total Xylenes	7.23	0.150	mg/kg	6.00	120	88.2-128	
Surrogate: 4-Bromofluorobenzene (PID)	0.0564		mg/kg	0.0500	113	71.5-134	

LCS Dup (4042938-BSD1)				Prepared & Analyzed: 29-Apr-24			
	Result	Reporting Limit	Units				
Benzene	2.17	0.050	mg/kg	2.00	109	82.8-130	0.826
Toluene	2.12	0.050	mg/kg	2.00	106	86-128	3.70
Ethylbenzene	2.24	0.050	mg/kg	2.00	112	85.9-128	5.10
m,p-Xylene	4.47	0.100	mg/kg	4.00	112	89-129	7.53
o-Xylene	2.25	0.050	mg/kg	2.00	112	86.1-125	6.84
Total Xylenes	6.72	0.150	mg/kg	6.00	112	88.2-128	7.30
Surrogate: 4-Bromofluorobenzene (PID)	0.0537		mg/kg	0.0500	107	71.5-134	

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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 4042935 - General Prep - Organics

Blank (4042935-BLK1)				Prepared & Analyzed: 29-Apr-24				
GRO C6-C10	ND	10.0	mg/kg					
DRO >C10-C28	ND	10.0	mg/kg					
EXT DRO C28 C36	ND	10.0	mg/kg					
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.5	48.2-134	
Surrogate: 1-Chlorooctadecane	42.4		mg/kg	50.0		84.8	49.1-148	

LCS (4042935-BS1)

				Prepared & Analyzed: 29-Apr-24				
GRO C6-C10	200	10.0	mg/kg	200		100	66.4-123	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	
Total TPH C6-C28	408	10.0	mg/kg	400		102	77.6-123	
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	48.2-134	
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.6	49.1-148	

LCS Dup (4042935-BSD1)

				Prepared & Analyzed: 29-Apr-24				
GRO C6-C10	193	10.0	mg/kg	200		96.7	66.4-123	3.37
DRO C10 C28	191	10.0	mg/kg	200		95.3	66.5 118	8.75
Total TPH C6-C28	384	10.0	mg/kg	400		96.0	77.6-123	6.08
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	48.2-134	
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		93.9	49.1-148	

Batch 4042939 General Prep Organics

Blank (4042939-BLK1)				Prepared & Analyzed: 29-Apr-24				
GRO C6-C10	ND	10.0	mg/kg					
DRO C10 C28	ND	10.0	mg/kg					
EXT DRO >C28-C36	ND	10.0	mg/kg					
Surrogate: 1-Chlorooctane	41.1		mg/kg	50.0		82.3	48.2-134	
Surrogate: 1-Chlorooctadecane	40.5		mg/kg	50.0		81.0	49.1-148	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TRUNK C TRUNK
Project Number: 03B1226321
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
01-May-24 17:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 4042939 - General Prep - Organics

LCS (4042939-BS1)		Prepared & Analyzed: 29-Apr-24								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
GRO C6-C10	207	10.0	mg/kg	200	103	66.4-123				
DRO >C10-C28	212	10.0	mg/kg	200	106	66.5-118				
Total TPH C6 C28	419	10.0	mg/kg	400	105	77.6 123				
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0	91.8	48.2-134				
Surrogate: 1-Chlorooctadecane	47.5		mg/kg	50.0	95.0	49.1-148				
LCS Dup (4042939-BSD1)		Prepared & Analyzed: 29-Apr-24								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
GRO C6-C10	205	10.0	mg/kg	200	102	66.4-123	0.918	17.7		
DRO >C10-C28	208	10.0	mg/kg	200	104	66.5-118	2.14	21		
Total TPH C6-C28	413	10.0	mg/kg	400	103	77.6-123	1.53	18.5		
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0	91.1	48.2-134				
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0	93.5	49.1-148				

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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Caley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO		ANALYSIS REQUEST	
Company Name:	Ensolum, LLC	P.O. #:	ENDLUM	Company:	DOHSA, Inc.
Project Manager:	Beaux Jennings	Attn:	Wade Dittrich	Address:	
Address:	601 N. Marienfeld St. STE 400	City:		State:	TX Zip: 79701
City:	Midland	Address:		Phone #:	210-219-8658
Phone #:	210-219-8658	Project Owner:		Fax #:	
Project #:	0331226321	City:		State:	
Project Name:	Trunk C Trunk	Address:		Zip:	
Project Location:	Eddy Co NM	Phone #:		Fax #:	575-390-2828
Sampler Name:	Shane D. H.				
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	MATRIX	PRESERV
124224	5aw-10	7-14	C		SAMPLING
1	5aw-10	0-7	C		
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 516042

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333431605
Incident Name	NAPP2333431605 TRUNK C DISCHARGE @ FAPP2122928745
Incident Type	Natural Gas Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2122928745] Enterprise Carlsbad GS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TRUNK C DISCHARGE
Date Release Discovered	11/30/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 516042

QUESTIONS (continued)

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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Julianna Falcomata Title: Field Environmental Scientist Email: JRFalcomata@eprod.com Date: 10/16/2025
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QUESTIONS, Page 3

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Action 516042

QUESTIONS (continued)

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	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2956
GRO+DRO (EPA SW-846 Method 8015M)	2825
BTEX (EPA SW-846 Method 8021B or 8260B)	141
Benzene (EPA SW-846 Method 8021B or 8260B)	4.2

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/11/2023
On what date will (or did) the final sampling or liner inspection occur	04/29/2024
On what date will (or was) the remediation complete(d)	04/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	36504
What is the estimated volume (in cubic yards) that will be reclaimed	1352
What is the estimated surface area (in square feet) that will be remediated	36504
What is the estimated volume (in cubic yards) that will be remediated	1352

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 516042

QUESTIONS (continued)

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	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Julianne Falcomata Title: Field Environmental Scientist Email: JRFalcomata@eprod.com Date: 10/16/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 516042

QUESTIONS (continued)

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	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 516042

QUESTIONS (continued)

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	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	337504
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2024
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	2000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	36504
What was the total volume (cubic yards) remediated	1352
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	36504
What was the total volume (in cubic yards) reclaimed	1352
Summarize any additional remediation activities not included by answers (above)	On April 8, 2024, NMR and Enterprise arrived on-site to apply a microbial solution, Micro-Blaze, to the newly excavated section of the Trunk C (WMH-V4E) Trunk Pipeline to help promote bioremediation of the COCs in soils left in place. The safety data sheet (SDS) for the microbial solution is provided in Appendix B.

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 (in .pdf format) 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.

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I hereby agree and sign off to the above statement	Name: Julianne Falcomata Title: Field Environmental Scientist Email: JRFalcomata@eprod.com Date: 10/16/2025
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QUESTIONS, Page 7

Action 516042

QUESTIONS (continued)

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QUESTIONS**Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	36504
What was the total volume of replacement material (in cubic yards) for this site	1352
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/07/2025
Summarize any additional reclamation activities not included by answers (above)	Re-seeding took place on 7/7/2025. Additional photos taken of site for report 8/1/2025.

The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

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QUESTIONS, Page 8

Action 516042

QUESTIONS (continued)

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	Action Number: 516042
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.

Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 516042

CONDITIONS

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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2333431605 TRUNK C DISCHARGE, thank you. This Reclamation Report is approved.	11/18/2025