E N S O L U M

February 5, 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: Closure Request Nocaster 19 Federal 3H & 4H RB Incident Number NAPP2435355882 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC. (COG), has prepared this *Closure Request* to document assessment and soil sampling activities completed at the Nocaster 19 Federal 3H & 4H RB (Site) following a release of crude oil and produced water within a lined containment. Based on field observations, field screening activities, and laboratory analytical results, COG is submitting this *Closure Request*, describing assessment activities that have occurred and requesting no further action and closure for Incident Number NAPP2435355882.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 19, Township 23 South, Range 34 East, in Lea County, New Mexico (32.28383056°, -103.5033805°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On December 18, 2024, equipment failure resulted in the release of approximately 38 barrels (bbls) of crude oil and 4 bbls of produced water into a lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately all 38 bbls of crude oil and 4 bbls of produced water were recovered. The equipment was repaired, and the lined containment was power washed to remove any residual fluids. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) via a *Notification of Release* (NOR) on December 18, 2024, and subsequently on a *Release Notification Form C-141* (Form C-141) on January 7, 2025. The release was assigned Incident Number NAPP2435355882.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section.

Depth to groundwater at the Site is is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) permitted well C-04665, located approximately 0.5 miles east of the Site. The groundwater well was drilled during September 2022 to a

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total depth of 120 feet bgs, and no groundwater was encountered. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a streambed, located approximately 1,206 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

LINER INTEGRITY INSPECTION AND DELINEATION ACTIVITIES

A 48-hour advanced notice of the liner insepction was submitted to the NMOCD portal on January 2, 2025. A liner integrity inspection was conducted by Ensolum personnel on January 8, 2025. Upon inspection, the liner was determined to be insufficient. Since the release remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

One borehole (BH01) was advanced via hand auger at the location of the tear in the liner to assess for the presence or absence of impacted soil beneath the liner. Two discrete delineation soil samples were collect from the borehole at 0.5 feet and 1-foot bgs. Four delineation soil samples (SS01 through SS04) were collected around the lined containment at a depth of 0.5 feet bgs to confirm the lateral extent of the release.

The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips, respectively. Field screening results and observations from the borehole were documented on a lithologic soil sampling log, which is included as Appendix B. Borehole BH01 was backfilled with soil removed and a COG contractor repaired the tear in the liner. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visits. A photographic log is included in Appendix C.

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

E N S O L U M

Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH01, collected at 0.5 feet and 1-foot bgs beneath the tear in the liner, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the absence of impacted soil beneath the liner. Laboratory analytical results for soil samples SS01 through SS04, collected around the lined containment, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and successfully defined the lateral extent of the release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Appendix D.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) at the location of the tear in the liner to assess for the presence or absence of impacted soil resulting from the December 18, 2024, crude oil and produced water release within lined containment. Laboratory analytical results for delineation soil samples, collected directly beneath and around the lined containment, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. The release was contained laterally by the lined containment and all released fluids were recovered during initial response efforts. The tear in the liner was subsequently repaired.

Based on initial response efforts and the absence of impacted soil, COG respectfully requests closure for Incident Number NAPP2435355882.

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

Sincerely, Ensolum, LLC

adrie D

Hadlie Green Project Geologist

Daniel R. Moir, PG (Licensed in WY & TX) Senior Managing Geologist

cc: Jacob Laird, COG Operating, LLC NMSLO

Appendices:

| Site Receptor Map |
|--|
| Delineation Soil Sample Locations |
| Soil Sample Analytical Results |
| Referenced Well Records |
| Lithologic Soil Sampling Log |
| Photographic Log |
| Laboratory Analytical Reports & Chain-of-Custody Documentation |
| |



FIGURES

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TABLES

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ENSOLUM

| | TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nocaster 19 Federal 3H & 4H RB COG Operating, LLC Lea County, New Mexico | | | | | | | | | | |
|--|---|---------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|--|
| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) | |
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 | |
| | | | | Deli | neation Soil Sam | ples | | · | | | |
| BH01 | 01/24/2025 | 0.5 | <0.00200 | <0.00399 | <49.7 | <49.7 | <49.7 | <49.7 | <49.7 | <9.96 | |
| BH01 | 01/24/2025 | 1 | <0.00200 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <10.1 | |
| SS01 | 01/24/2025 | 0.5 | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 48.8 | |
| SS02 | 01/24/2025 | 0.5 | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 65.8 | |
| SS03 | 01/24/2025 | 0.5 | <0.00200 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <9.92 | |
| SS04 | 01/24/2025 | 0.5 | <0.00201 | <0.00402 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 16.3 | |

Notes:

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

| NO | OSE POD NO. (WELL NO.) C-4667-POD1 WELL TAG ID NO. | | | | | | | OSE FILE NO(S C-04665 | | | | | |
|----------------------------------|--|----------------|-------------------------------|----------------------------------|---------------------------|------------------|--|------------------------------------|--------------------------------------|----------------------------------|-----------------|--|--|
| OCATI | WELL OWNER | | | | | | | PHONE (OPTIC 575-988-204 | | | | | |
| WELL L | WELL OWNER 2208 W MA | | ADDRESS | | | | | CITY ARTESIA | STATE ZIP NM 88210 | | | | |
| GENERAL AND WELL LOCATION | (FROM GPS) | | ION LATITUDE 32 17 2.55 N | | A DATINA PROLUDED, WCC 94 | | | | | | | | |
| NER | | LOI | NGITUDE | | | | | | | | | | |
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| | LICENSE NO. WD-11 | 84 | NAME OF LICENSED | | LL SOUTHER | LAND | | | NAME OF WELL DRI WEST TEXAS | ILLING COMPANY S WATER WELL S | ERVICE | | |
| | DRILLING STA 9/15/20 | | DRILLING ENDED 09/15/2022 | DEPTH OF COM | APLETED WELL (F 120 | T) | BORE HO | LE DEPTH (FT) | DEPTH WATER FIRS | ST ENCOUNTERED (F | T) | | |
| 7 | COMPLETED | E 🗌 SHALLO | OW (UNCON | FINED) | | STATIC WATER LEV | /EL IN COMPLETED W N/A | VELL (FT) | | | | | |
| IOI | DRILLING FLU | ID: | AIR | MUD | ADDITIV | VES – SPEC | IFY: | | | | | | |
| 2. DRILLING & CASING INFORMATION | DRILLING ME | THOD: | ROTARY | HAMMER | | TOOL | OTHE | R - SPECIFY: | | | | | |
| | DEPTH (f FROM | eet bgl) TO | BORE HOLE DIAM (inches) | (include each casing string, and | | CON | ASING NECTION IYPE Jing diameter) | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) | | | |
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| 3. AND | | | | | | | | | | | | | |
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733232

WELL TAG ID NO. NA

PAGE 1 OF 2

Pobl

235.34E, 20, 3.4.3

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LOCATION

C-04667

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| SIGNATURE | Russel | Sou | tel | RUSSEL SE | L SOUTHERL | AND | 2 | | 09/ | 15/2022 | |
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| LO | CATION 7 | 35.3 | 4E. 20.3 | y. | | | WELL TAC | G ID NO. | NA | | PAGE 2 OF 2 |

8 - A



APPENDIX B

Lithologic Soil Sampling Log

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| Sample Name: BH01 Date: 01/2 Sample Name: BH01 Date: 01/2 Site Name: Nocaster 19 Federal 3H & 4H RB Incident Number: NAPP2435355882 Job Number: 03D2024340 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TG Method: H Coordinates: 32.2838309, -103.5033806 Hole Diameter: 4" Total Dept Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions United and approximation of the base of | Hand Auger |
|---|------------|
| Job Number: 03D2024340 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TG Method: H Coordinates: 32.2838309, -103.5033806 Hole Diameter: 4" Total Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and trip of t | th: 1' |
| Job Number: 03D2024340 LITHOLOGIC / SOIL SAMPLING LOG Logged By: TG Method: H Coordinates: 32.2838309, -103.5033806 Hole Diameter: 4" Total Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chlorid performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions and by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions by the performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions by the performed with 1:4 dilution factor of soil to distilled water. Depth (| th: 1' |
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| TOTAL DEPTH @ 1-FOOT BGS | |
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APPENDIX C

Photographic Log

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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Received by OCD: 2/18/2025 8:40:30 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 1/29/2025 11:19:11 AM

JOB DESCRIPTION

Nocaster 19 Federal 3H & 4H RB Lea County

JOB NUMBER

880-53654-1

Page 18 of 48

Eurofins Midland 1211 W. Florida Ave Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

AMER

Generated 1/29/2025 11:19:11 AM

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

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

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| | |

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

DL

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MQL NC

ND

NEG

POS

PQL PRES

QC

RL RPD

TEF

TEQ

TNTC

RER

ML MPN

DL, RA, RE, IN

| ceiveu by OCD | . 2/10/2023 0.40.30 /1/1 | ruge 21 0j | 40 |
|------------------|--|---------------------|----|
| | Definitions/Glossary | | |
| Client: Ensolum | | Job ID: 880-53654-1 | |
| Project/Site: No | caster 19 Federal 3H & 4H RB | SDG: Lea County | |
| Qualifiers | | | |
| GC VOA | | | |
| Qualifier | Qualifier Description | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| GC Semi VOA | | | |
| Qualifier | Qualifier Description | | |
| S1+ | Surrogate recovery exceeds control limits, high biased. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| HPLC/IC | | | |
| Qualifier | Qualifier Description | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| Glossary | | | |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | | |
| ¢. | Listed under the "D" column to designate that the result is reported on a dry weight basis | | |
| %R | Percent Recovery | | |
| CFL | Contains Free Liquid | | |
| CFU | Colony Forming Unit | | |
| CNF | Contains No Free Liquid | | |
| DER | Duplicate Error Ratio (normalized absolute difference) | | 4 |
| Dil Fac | Dilution Factor | | |

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Case Narrative

Client: Ensolum Project: Nocaster 19 Federal 3H & 4H RB Job ID: 880-53654-1

Job ID: 880-53654-1

Eurofins Midland

Job Narrative 880-53654-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/24/2025 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH01 (880-53654-1), BH01 (880-53654-2), SS01 (880-53654-3), SS02 (880-53654-4), SS03 (880-53654-5) and SS04 (880-53654-6).

GC VOA

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

Diesel Range Organics

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-101340 and analytical batch 880-101350 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (890-7605-A-10-A), (890-7605-A-10-B MS) and (890-7605-A-10-C MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS02 (880-53654-4), SS03 (880-53654-5) and SS04 (880-53654-6). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101325 and analytical batch 880-101377 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Project/Site: Nocaster 19 Federal 3H & 4H RB

Client Sample ID: BH01

Date Collected: 01/24/25 09:20 Date Received: 01/24/25 16:45

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|----------------------------------|---|------------------------|----------|---|--|-------------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:30 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 16:30 | |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 16:30 | |
| Method: TAL SOP Total BTEX - 1 | Fotal BTEX Cald | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/27/25 16:30 | |
| Method: SW846 8015 NM - Diese | el Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.7 | | | | | | - | |
| | \$45.1 | 0 | 49.7 | mg/Kg | | | 01/28/25 11:59 | 1 |
| | | | | mg/Kg | | | 01/28/25 11:59 | 1 |
| Method: SW846 8015B NM - Dies | sel Range Orga | | | mg/Kg Unit | D | Prepared | 01/28/25 11:59 Analyzed | Dil Fac |
| Method: SW846 8015B NM - Dies Analyte | sel Range Orga | unics (DRO) Qualifier | (GC) | | D | Prepared 01/28/25 07:52 | | |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | sel Range Orga Result | unics (DRO) Qualifier | (GC) RL | Unit | <u>D</u> | | Analyzed | |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | sel Range Orga Result | unics (DRO) Qualifier U | (GC) RL | Unit | <u>D</u> | | Analyzed | 1 |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | sel Range Orga | unics (DRO) Qualifier U | (GC) <u>RL</u> 49.7 49.7 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 | Analyzed 01/28/25 11:59 01/28/25 11:59 | Dil Fac |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | sel Range Orga Result <49.7 | unics (DRO) Qualifier U | (GC) <u>RL</u> 49.7 | Unit mg/Kg | <u> </u> | 01/28/25 07:52 | Analyzed 01/28/25 11:59 | 1 |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) | sel Range Orga | Qualifier U U | (GC) <u>RL</u> 49.7 49.7 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 | Analyzed 01/28/25 11:59 01/28/25 11:59 | |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | sel Range Orga <u>Result</u> <49.7 <49.7 <49.7 | Qualifier U U | (GC) <u>RL</u> 49.7 49.7 49.7 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 01/28/25 07:52 01/28/25 07:52 | Analyzed 01/28/25 11:59 01/28/25 11:59 01/28/25 11:59 | |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | sel Range Orga <u>Result</u> <49.7 <49.7 <49.7 %Recovery | Qualifier U U | (GC) <u>RL</u> 49.7 49.7 49.7 <u>Limits</u> | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 01/28/25 07:52 01/28/25 07:52 Prepared | Analyzed 01/28/25 11:59 01/28/25 11:59 01/28/25 11:59 Analyzed | 1 |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl | sel Range Orga Result <49.7 <49.7 <49.7 <49.7 %Recovery 77 74 | Qualifier U U Qualifier | (GC) <u>RL</u> 49.7 49.7 <u>49.7</u> <u>Limits</u> 70 - 130 70 - 130 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 01/28/25 07:52 01/28/25 07:52 Prepared 01/28/25 07:52 | Analyzed 01/28/25 11:59 01/28/25 11:59 01/28/25 11:59 Analyzed 01/28/25 11:59 | |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte | sel Range Orga Result <49.7 <49.7 <49.7 <49.7 %Recovery 77 74 Chromatograp | Qualifier U U Qualifier | (GC) <u>RL</u> 49.7 49.7 <u>49.7</u> <u>Limits</u> 70 - 130 70 - 130 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 01/28/25 07:52 01/28/25 07:52 Prepared 01/28/25 07:52 | Analyzed 01/28/25 11:59 01/28/25 11:59 01/28/25 11:59 Analyzed 01/28/25 11:59 | 1 1 1 |

Client Sample ID: BH01 Date Collected: 01/24/25 09:25

Date Received: 01/24/25 16:45

Sample Depth: 1

| Method: SW846 8021B - Volati | Method: SW846 8021B - Volatile Organic Compounds (GC) | | | | | | | | | | | | |
|------------------------------|---|-----------|----------|-------|---|----------------|----------------|---------|--|--|--|--|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | | | | |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | | | | | |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 16:50 | 1 | | | | | |

Eurofins Midland

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Job ID: 880-53654-1 SDG: Lea County

Lab Sample ID: 880-53654-1

Matrix: Solid

Matrix: Solid

Job ID: 880-53654-1 SDG: Lea County

Lab Sample ID: 880-53654-2

Client Sample ID: BH01

Date Collected: 01/24/25 09:25 Date Received: 01/24/25 16:45

Sample Depth: 1

Client: Ensolum

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

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
|---|--|---|---|------------------------|----------|--|--|--------|
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 16:50 | |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | | 01/27/25 16:50 | |
| Method: SW846 8015 NM - Diese | el Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| | | | | | | | - | |
| | <50.0 | | 50.0 | mg/Kg | | | 01/28/25 12:14 | |
| Method: SW846 8015B NM - Dies | sel Range Orga | | | mg/Kg Unit | D | Prepared | | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte | sel Range Orga Result | nics (DRO) Qualifier | (GC) RL | Unit | D | Prepared | 01/28/25 12:14 <u>Analyzed</u> 01/28/25 12:14 | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | sel Range Orga | nics (DRO) Qualifier | (GC) | | <u>D</u> | <u> </u> | Analyzed | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 | sel Range Orga Result | nics (DRO) Qualifier U | (GC) RL | Unit | <u>D</u> | <u> </u> | Analyzed | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | sel Range Orga Result <50.0 | nics (DRO) Qualifier U | (GC) <u>RL</u> 50.0 | Unit mg/Kg | <u>D</u> | 01/28/25 07:52 | Analyzed 01/28/25 12:14 | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | sel Range Orga Result <50.0 | nics (DRO) Qualifier U | (GC) <u>RL</u> 50.0 | Unit mg/Kg | <u> </u> | 01/28/25 07:52 | Analyzed 01/28/25 12:14 | Dil Fa |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | sel Range Orga Result <50.0 <50.0 | nics (DRO) Qualifier U U U | (GC) <u>RL</u> 50.0 50.0 | Unit mg/Kg mg/Kg | <u>D</u> | 01/28/25 07:52 | Analyzed 01/28/25 12:14 01/28/25 12:14 | |
| Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | sel Range Orga <u>Result</u> <50.0 <50.0 <50.0 | nics (DRO) Qualifier U U U | (GC) <u>RL</u> 50.0 50.0 50.0 | Unit mg/Kg mg/Kg | <u> </u> | 01/28/25 07:52 01/28/25 07:52 01/28/25 07:52 | Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 | Dil Fa |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <10.1 | U F1 | 10.1 | mg/Kg | | | 01/29/25 02:10 | 1 |

Client Sample ID: SS01

Date Collected: 01/24/25 09:56 Date Received: 01/24/25 16:45

Lab Sample ID: 880-53654-3 Matrix: Solid

1

1

1

1

1

1

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC) Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Benzene <0.00199 U 0.00199 mg/Kg 01/27/25 10:24 01/27/25 17:11 Toluene <0.00199 U 0.00199 01/27/25 10:24 01/27/25 17:11 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 01/27/25 10:24 01/27/25 17:11 0.00398 m-Xylene & p-Xylene <0.00398 U mg/Kg 01/27/25 10:24 01/27/25 17:11 o-Xylene <0.00199 U 0.00199 mg/Kg 01/27/25 10:24 01/27/25 17:11 Xylenes, Total <0.00398 U 0.00398 mg/Kg 01/27/25 10:24 01/27/25 17:11 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 106 70 - 130 01/27/25 10:24 01/27/25 17:11 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 98 70 - 130 01/27/25 10:24 01/27/25 17:11 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00398 Ū 0.00398 01/27/25 17:11 mg/Kg 1

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) | | | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | |
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 01/28/25 12:31 | 1 | | |

Eurofins Midland

Matrix: Solid

5

Project/Site: Nocaster 19 Federal 3H & 4H RB

Project/Site: Nocaster 19 Federal 3H & 4H RB

Job ID: 880-53654-1 SDG: Lea County

Lab Sample ID: 880-53654-4

Matrix: Solid

Client Sample ID: SS01

Date Collected: 01/24/25 09:56 Date Received: 01/24/25 16:45

Sample Depth: 0.5

Client: Ensolum

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

| Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--|----------|-------|--|----------------|---|--|
| <49.8 | U | 49.8 | mg/Kg | | 01/28/25 07:52 | 01/28/25 12:31 | 1 |
| | | | | | | | |
| <49.8 | U | 49.8 | mg/Kg | | 01/28/25 07:52 | 01/28/25 12:31 | 1 |
| | | | | | | | |
| <49.8 | U | 49.8 | mg/Kg | | 01/28/25 07:52 | 01/28/25 12:31 | 1 |
| %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 86 | | 70 - 130 | | | 01/28/25 07:52 | 01/28/25 12:31 | 1 |
| 79 | | 70 - 130 | | | 01/28/25 07:52 | 01/28/25 12:31 | 1 |
| | <49.8 <49.8 <49.8 %Recovery 86 | | <49.8 | <49.8 U 49.8 mg/Kg <49.8 | <49.8 | <49.8 U 49.8 mg/Kg 01/28/25 07:52 <49.8 | <49.8 U 49.8 mg/Kg 01/28/25 07:52 01/28/25 12:31 <49.8 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------------|------|-------|---|----------|----------------|---------|
| Chloride | 48.8 | 10.1 | mg/Kg | | | 01/29/25 02:28 | 1 |

Client Sample ID: SS02

Date Collected: 01/24/25 09:58

Date Received: 01/24/25 16:45

Sample Depth: 0.5

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--|--|---|--------------------------------|----------|----------------------|--|-------------------------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| Toluene | ene <0.00199 U | | 0.00199 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| 1,4-Difluorobenzene (Surr) | 80 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 17:31 | 1 |
| Method: TAL SOP Total BTEX - 1 Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Diese | el Range Organ | Qualifier U | 0.00398 | mg/Kg | | <u> </u> | 01/27/25 17:31 | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte | el Range Organ Result | Qualifier U ics (DRO) (f Qualifier | 0.00398 GC) | mg/Kg Unit | D | Prepared Prepared | 01/27/25 17:31 Analyzed | 1 |
| | el Range Organ Result el Range Argan Result <49.8 | Qualifier U ics (DRO) (Qualifier U | 0.00398 GC) RL 49.8 | mg/Kg | | <u> </u> | 01/27/25 17:31 | Dil Fac 1 Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies | el Range Organ Result 41 Range Organ 49.8 49.8 5el Range Orga | Qualifier U ics (DRO) (Qualifier U | 0.00398 GC) RL 49.8 | mg/Kg Unit | | <u> </u> | 01/27/25 17:31 Analyzed | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics | el Range Organ Result 41 Range Organ 49.8 49.8 5el Range Orga | Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier | 0.00398 GC) <u>RL</u> 49.8 (GC) | mg/Kg Unit mg/Kg | <u>D</u> | Prepared | 01/27/25 17:31 Analyzed 01/28/25 11:59 | 1 Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH | el Range Organ Result <49.8 Sel Range Orga Result Result | Qualifier U ics (DRO) (1 Qualifier U nics (DRO) Qualifier U | 0.00398 GC) RL 49.8 (GC) RL | mg/Kg Unit mg/Kg Unit | <u>D</u> | Prepared | 01/27/25 17:31 Analyzed 01/28/25 11:59 Analyzed | 1 Dil Fac |

%Recovery Qualifier Dil Fac Limits Prepared Analyzed Surrogate 70 - 130 01/28/25 08:12 01/28/25 11:59 1-Chlorooctane 148 S1+ 1 o-Terphenyl 122 70 - 130 01/28/25 08:12 01/28/25 11:59 1

Eurofins Midland

Lab Sample ID: 880-53654-3 Matrix: Solid 5

Client Sample Results

| Client: Ensolum |
|--|
| Project/Site: Nocaster 19 Federal 3H & 4H RB |

Job ID: 880-53654-1

| Client Sample ID: SS02 Date Collected: 01/24/25 09:58 Date Received: 01/24/25 16:45 Sample Depth: 0.5 | | | | | | Lab Sam | ple ID: 880-5 Matri | 3 654-4 x: Solid |
|--|--|---|---|---------------------------------|----------|--|--|---|
| Method: EPA 300.0 - Anions, Ion Analyte | • • | hy - Solubl Qualifier | e RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 65.8 | | 9.94 | mg/Kg | | | 01/29/25 02:34 | 1 |
| Client Sample ID: SS03 Date Collected: 01/24/25 10:00 Date Received: 01/24/25 16:45 Sample Depth: 0.5 | | | | | | Lab Sam | ple ID: 880-5 Matri | 3 654-5 x: Solid |
| _ Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | 01/27/25 10:24 | 01/27/25 17:52 | 1 |
| - Method: TAL SOP Total BTEX - T | otal BTEX Calo | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | | 01/27/25 17:52 | 1 |
| _ Method: SW846 8015 NM - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| | | | | | | | | |
| | | Qualifier | | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Total TPH | | | RL 50.0 | Unit mg/Kg | <u> </u> | Prepared | Analyzed 01/28/25 12:14 | Dil Fac |
| Analyte Total TPH | Result <50.0 | U | RL 50.0 | | <u> </u> | Prepared | | |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result <50.0 | nics (DRO) | (GC) | mg/Kg | | | 01/28/25 12:14 | 1 |
| Analyte Total TPH | Result <50.0 | U nics (DRO) Qualifier | RL 50.0 | | <u>D</u> | Prepared 01/28/25 08:12 | | |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <50.0 Sel Range Orga Result | U nics (DRO) Qualifier U | (GC) | mg/Kg Unit | | Prepared | 01/28/25 12:14 Analyzed | 1 Dil Fac 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <50.0 sel Range Orga Result <50.0 | U nics (DRO) Qualifier U | RL 50.0 (GC) RL 50.0 | mg/Kg Unit mg/Kg | | Prepared 01/28/25 08:12 | 01/28/25 12:14 Analyzed 01/28/25 12:14 | 1 Dil Fac 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <50.0 | U nics (DRO) Qualifier U U U | RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 01/28/25 08:12 01/28/25 08:12 01/28/25 08:12 | 01/28/25 12:14 Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 | 1 Dil Fac 1 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | U nics (DRO) Qualifier U U U | RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 Limits | mg/Kg Unit mg/Kg mg/Kg | | Prepared 01/28/25 08:12 01/28/25 08:12 01/28/25 08:12 Prepared | 01/28/25 12:14 Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 Analyzed | 1 Dil Fac 1 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | Result <50.0 | U nics (DRO) Qualifier U U U Qualifier | RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 01/28/25 08:12 01/28/25 08:12 01/28/25 08:12 | 01/28/25 12:14 Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 | 1 Dil Fac 1 |
| Analyte Total TPH Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result <50.0 | U nics (DRO) Qualifier U U U Qualifier S1+ | RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 50.0 70.130 70.130 70.130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 01/28/25 08:12 01/28/25 08:12 01/28/25 08:12 Prepared 01/28/25 08:12 | 01/28/25 12:14 Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 Analyzed 01/28/25 12:14 | 1 Dil Fac 1 1 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <50.0 | U nics (DRO) Qualifier U U U Qualifier S1+ | RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 50.0 70.130 70.130 70.130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 01/28/25 08:12 01/28/25 08:12 01/28/25 08:12 Prepared 01/28/25 08:12 | 01/28/25 12:14 Analyzed 01/28/25 12:14 01/28/25 12:14 01/28/25 12:14 Analyzed 01/28/25 12:14 | 1 Dil Fac 1 1 1 Dil Fac 1 |

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Project/Site: Nocaster 19 Federal 3H & 4H RB

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

Result Qualifier

Qualifier

<0.00201 U

<0.00201 U

<0.00201 U

<0.00402 U

<0.00201 U

<0.00402 U

105

99

%Recovery

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

01/27/25 10:24

01/27/25 10:24

01/27/25 10:24

01/27/25 10:24

01/27/25 10:24

01/27/25 10:24

Prepared

01/27/25 10:24

01/27/25 10:24

Job ID: 880-53654-1 SDG: Lea County

Client Sample ID: SS04

Date Collected: 01/24/25 10:02 Date Received: 01/24/25 16:45

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-53654-6

Analyzed

01/27/25 18:12

01/27/25 18:12

01/27/25 18:12

01/27/25 18:12

01/27/25 18:12

01/27/25 18:12

Analyzed

01/27/25 18:12

01/27/25 18:12

Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

Dil Fac

| Method: TAL SOP Total BTEX - Tota | I BTEX Calo | ulation | | | | | | |
|---|-------------|-------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/27/25 18:12 | 1 |
| Method: SW846 8015 NM - Diesel Ra | ange Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 01/28/25 12:31 | 1 |
| Method: SW846 8015B NM - Diesel | Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 01/28/25 08:12 | 01/28/25 12:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 01/28/25 08:12 | 01/28/25 12:31 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 01/28/25 08:12 | 01/28/25 12:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 151 | S1+ | 70 - 130 | | | 01/28/25 08:12 | 01/28/25 12:31 | 1 |
| o-Terphenyl | 122 | | 70 - 130 | | | 01/28/25 08:12 | 01/28/25 12:31 | 1 |
| Method: EPA 300.0 - Anions, Ion Ch | romatograp | hy - Solubl | le | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 16.3 | | 9.94 | mg/Kg | | | 01/29/25 07:53 | 1 |

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Released to Imaging: 2/28/2025 1:18:44 PM

Surrogate Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

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

| | | | | Percent Surro |
|---------------------|------------------------|----------|----------|---------------|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-53654-1 | BH01 | 103 | 98 | |
| 880-53654-2 | BH01 | 113 | 98 | |
| 880-53654-3 | SS01 | 106 | 98 | |
| 880-53654-4 | SS02 | 95 | 80 | |
| 880-53654-5 | SS03 | 105 | 98 | |
| 880-53654-6 | SS04 | 105 | 99 | |
| LCS 880-101248/1-A | Lab Control Sample | 102 | 99 | |
| LCSD 880-101248/2-A | Lab Control Sample Dup | 99 | 100 | |
| MB 880-101248/5-A | Method Blank | 101 | 95 | |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| b Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 3654-1 | BH01 | 77 | 74 | |
| 3654-2 | BH01 | 80 | 75 | |
| 3654-3 | SS01 | 86 | 79 | |
| 53654-4 | SS02 | 148 S1+ | 122 | |
| 3654-5 | SS03 | 146 S1+ | 118 | |
| 654-6 | SS04 | 151 S1+ | 122 | |
| 30-101336/2-A | Lab Control Sample | 87 | 90 | |
| 0-101340/2-A | Lab Control Sample | 122 | 112 | |
| 880-101336/3-A | Lab Control Sample Dup | 87 | 92 | |
| 0 880-101340/3-A | Lab Control Sample Dup | 124 | 114 | |
| 80-101336/1-A | Method Blank | 115 | 107 | |
| 880-101340/1-A | Method Blank | 164 S1+ | 135 S1+ | |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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5 6

Prep Type: Total/NA

Prep Type: Total/NA

Lab Sample ID: MB 880-101248/5-A

QC Sample Results

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

Method: 8021B - Volatile Organic Compounds (GC)

| Matrix: Solid Analysis Batch: 101242 | | | | | | | Prep Type: 1 Prep Batch: | |
|---|-----------|-----------|----------|-------|---|----------------|-----------------------------|---------|
| - | MB | МВ | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| | МВ | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | | | 01/27/25 08:36 | 01/27/25 11:21 | 1 |

Lab Sample ID: LCS 880-101248/1-A Matrix: Solid

Analysis Batch: 101242

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.08463 | | mg/Kg | | 85 | 70 - 130 | |
| Toluene | 0.100 | 0.08720 | | mg/Kg | | 87 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.09055 | | mg/Kg | | 91 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1707 | | mg/Kg | | 85 | 70 - 130 | |
| o-Xylene | 0.100 | 0.08683 | | mg/Kg | | 87 | 70 - 130 | |

| | LCS | | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: LCSD 880-101248/2-A

Matrix: Solid

| Analysis Batch: 101242 | | | | | | | Prep E | Batch: 1 | 01248 |
|------------------------|-------|---------|-----------|-------|---|------|----------|----------|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.08861 | | mg/Kg | | 89 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.09188 | | mg/Kg | | 92 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.09454 | | mg/Kg | | 95 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1780 | | mg/Kg | | 89 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.09050 | | mg/Kg | | 90 | 70 - 130 | 4 | 35 |
| | | | | | | | | | |

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

QC Sample Results

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

Method: 8015B NM -

| Method: 8015B NM - Diesel | Range Orga | nics (DR | .O) (GC) | | | | | | | | | | |
|-----------------------------------|---------------|--------------|----------|--------|-----------|------------|------|----------|----------|-------------|----------|---------|---|
| | /1-A | | | | | | | CI | ient Sa | ample ID: N | Method | l Blank | |
| Matrix: Solid | | | | | | | | | | Prep T | Type: To | otal/NA | |
| Analysis Batch: 101348 | | | | | | | | | | Prep F | Batch: 1 | 101336 | |
| - | MF | в мв | | | | | | | | - | | | |
| Analyte | Resul | lt Qualifier | RL | | Unit | | D | Prep | bared | Analyze | .ed | Dil Fac | |
| Gasoline Range Organics | <50.0 | วับ | 50.0 | | mg/K | ģ | _ | 01/28/2 | 25 07:52 | 01/28/25 0 | J1:04 | 1 | |
| (GRO)-C6-C10 | | | | | | - | | | | | | | |
| Diesel Range Organics (Over | <50.0 |) U | 50.0 | | mg/K | g | | 01/28/2 | 25 07:52 | 01/28/25 0 |)1:04 | 1 | 5 |
| C10-C28) | | | | | | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 |) U | 50.0 | | mg/K | .g | | 01/28/2 | 25 07:52 | 01/28/25 0 |)1:04 | 1 | |
| | ME | B MB | | | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | Prep | bared | Analyz | ed | Dil Fac | |
| 1-Chlorooctane | | | 70 - 130 | | | | | - | 25 07:52 | 01/28/25 (| | 1 | |
| o-Terphenyl | 107 | | 70 - 130 | | | | | | 25 07:52 | 01/28/25 (| | 1 | |
| | | | 10-100 | | | | | 0,,20,2 | 0 07.02 | 01/20/20 0 | 71.01 | | |
| Lab Sample ID: LCS 880-101336 | 6/2-A | | | | | | С | lient Sa | ample ! | ID: Lab Co | ontrol § | Sample | |
| Matrix: Solid | | | | | | | - | | | | Type: To | | |
| Analysis Batch: 101348 | | | | | | | | | | | Batch: 1 | | |
| Analysis Bateri isis | | | Spike | LCS | LCS | | | | | %Rec | / | 101000 | |
| Analyte | | | Added | | Qualifier | Unit | | D % | %Rec | Limits | | | |
| Gasoline Range Organics | | | 1000 | 813.2 | | mg/Kg | | | 81 | 70 - 130 | | | 1 |
| (GRO)-C6-C10 | | | 1000 | 010.2 | | <u>a</u> a | | | 01 | 10-100 | | | Y |
| Diesel Range Organics (Over | | | 1000 | 806.4 | | mg/Kg | | | 81 | 70 - 130 | | | |
| C10-C28) | | | | | | 5 5 | | | | | | | |
| | LCS LCS | s | | | | | | | | | | | |
| Surrogate | %Recovery Qua | alifier | Limits | | | | | | | | | | |
| 1-Chlorooctane | 87 | | 70 - 130 | | | | | | | | | | |
| o-Terphenyl | 90 | | 70 - 130 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Lab Sample ID: LCSD 880-10133 | 36/3-A | | | | | Cli | ient | Sample | e ID: L | ab Contro | I Samp | le Dup | |
| Matrix: Solid | | | | | | | | | | Prep T | ype: To | otal/NA | |
| Analysis Batch: 101348 | | | | | | | | | | | Batch: 1 | | |
| | | | Spike | LCSD | LCSD | | | | | %Rec | | RPD | |
| Analyte | | | Added | Result | Qualifier | Unit | | D % | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics | | | 1000 | 785.9 | | mg/Kg | | | 79 | 70 - 130 | 3 | 20 | |
| (GRO)-C6-C10 | | | | | | 0.0 | | | | | | | |
| Diesel Range Organics (Over | | | 1000 | 826.4 | | mg/Kg | | | 83 | 70 - 130 | 2 | 20 | |
| C10-C28) | | | | | | | | | | | | | |
| | LCSD LC | •en | | | | | | | | | | | |
| Surrogate | | | Limits | | | | | | | | | | |
| 1-Chlorooctane | 87 | alifier | 70 - 130 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| o-Terphenyl | 92 | | 70 - 130 | | | | | | | | | | |

Lab Sample ID: MB 880-101340/1-A Matrix: Solid Analysis Batch: 101350

| | MB | МВ | | | | | | |
|-----------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 01/28/25 08:12 | 01/28/25 01:04 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 01/28/25 08:12 | 01/28/25 01:04 | 1 |
| C10-C28) | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/28/25 08:12 | 01/28/25 01:04 | 1 |

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Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101340

Job ID: 880-53654-1

SDG: Lea County

1/29/2025

QC Sample Results

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

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

Lab Sample ID: MB 880-101340/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 101350 Prep Batch: 101340 MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 164 S1+ 70 - 130 01/28/25 08:12 01/28/25 01:04 1 o-Terphenyl 135 S1+ 70 - 130 01/28/25 08:12 01/28/25 01:04 1 Lab Sample ID: LCS 880-101340/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 101350 Prep Batch: 101340 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 1076 108 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1063 106 mg/Kg 70 - 130 C10-C28) LCS LCS Surrogate %Recovery Qualifier Limits 122 70 - 130 1-Chlorooctane 112 70 - 130 o-Terphenyl Lab Sample ID: LCSD 880-101340/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA Analysis Batch: 101350 Prep Batch: 101340 Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit D Limits RPD Limit %Rec Gasoline Range Organics 1000 1111 mg/Kg 111 70 - 130 3 20 (GRO)-C6-C10 **Diesel Range Organics (Over** 1000 1070 mg/Kg 107 70 - 130 1 20 C10-C28) LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 124 o-Terphenyl 114 70 - 130

Method: 300.0 - Anions, Ion Chromatography

| Lab Sample ID: MB 880-101325/1-A Matrix: Solid Analysis Batch: 101377 | | | | | | | | | Client S | ample ID: Metho Prep Type: | |
|---|--------|-----------|-------|------|--------|-----------|-------|-------|----------|-------------------------------|---------|
| · · | МВ | МВ | | | | | | | | | |
| Analyte | Result | Qualifier | | RL | | Uni | t | D F | repared | Analyzed | Dil Fac |
| Chloride | <10.0 | U | | 10.0 | | mg/ | Кg | | | 01/29/25 00:30 | 1 |
| Lab Sample ID: LCS 880-101325/2-A | | | | | | | | Clien | t Sample | ID: Lab Control | Sample |
| Matrix: Solid | | | | | | | | | | Prep Type: | Soluble |
| Analysis Batch: 101377 | | | | | | | | | | | |
| - | | | Spike | | LCS | LCS | | | | %Rec | |
| Analyte | | | Added | | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | | | 250 | | 269.2 | | mg/Kg | | 108 | 90 - 110 | |

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QC Sample Results

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB Job ID: 880-53654-1 SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

| Lab Sample ID: LCSD 880-101325/3 Matrix: Solid Analysis Batch: 101377 | 3-A | | | | | Clie | nt San | ple ID: | Lab Contro Prep | ol Sampl Type: S | |
|---|--------|-----------|-------|--------|-----------|-------|--------|---------|--------------------|---------------------|--------|
| Analysis Batch. 1013/1 | | | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | | | Added | | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | | | 250 | 269.0 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |
| – Lab Sample ID: 880-53654-2 MS | | | | | | | | | Client Sa | mple ID: | BH01 |
| Matrix: Solid | | | | | | | | | Prep | Type: S | oluble |
| Analysis Batch: 101377 | | | | | | | | | | | |
| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Chloride | <10.1 | U F1 | 252 | 287.9 | F1 | mg/Kg | | 112 | 90 - 110 | | |
| Lab Sample ID: 880-53654-2 MSD | | | | | | | | | Client Sa | mple ID: | BH01 |
| Matrix: Solid | | | | | | | | | Prep | Type: S | oluble |
| Analysis Batch: 101377 | | | | | | | | | | | |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | <10.1 | U F1 | 252 | 288.4 | F1 | mg/Kg | | 112 | 90 - 110 | 0 | 20 |

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QC Association Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

Job ID: 880-53654-1 SDG: Lea County

GC VOA

Analysis Batch: 101242

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-53654-1 | BH01 | Total/NA | Solid | 8021B | 101248 |
| 880-53654-2 | BH01 | Total/NA | Solid | 8021B | 101248 |
| 880-53654-3 | SS01 | Total/NA | Solid | 8021B | 101248 |
| 880-53654-4 | SS02 | Total/NA | Solid | 8021B | 101248 |
| 880-53654-5 | SS03 | Total/NA | Solid | 8021B | 101248 |
| 880-53654-6 | SS04 | Total/NA | Solid | 8021B | 101248 |
| MB 880-101248/5-A | Method Blank | Total/NA | Solid | 8021B | 101248 |
| LCS 880-101248/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 101248 |
| LCSD 880-101248/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 101248 |

Prep Batch: 101248

| MB 880-101248/5-A | Method Blank | Total/NA | Solid | 8021B | 101248 | |
|---------------------|------------------------|-----------|--------|--------|------------|----|
| LCS 880-101248/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 101248 | 8 |
| LCSD 880-101248/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 101248 | |
| Prep Batch: 101248 | | | | | | 9 |
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch | 10 |
| 880-53654-1 | BH01 | Total/NA | Solid | 5035 | | |
| 880-53654-2 | BH01 | Total/NA | Solid | 5035 | | 44 |
| 880-53654-3 | SS01 | Total/NA | Solid | 5035 | | |
| 880-53654-4 | SS02 | Total/NA | Solid | 5035 | | 12 |
| 880-53654-5 | SS03 | Total/NA | Solid | 5035 | | |
| 880-53654-6 | SS04 | Total/NA | Solid | 5035 | | 40 |
| MB 880-101248/5-A | Method Blank | Total/NA | Solid | 5035 | | 13 |
| LCS 880-101248/1-A | Lab Control Sample | Total/NA | Solid | 5035 | | |
| LCSD 880-101248/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | | 14 |
| | | | | | | |

Analysis Batch: 101381

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-53654-1 | BH01 | Total/NA | Solid | Total BTEX | |
| 880-53654-2 | BH01 | Total/NA | Solid | Total BTEX | |
| 880-53654-3 | SS01 | Total/NA | Solid | Total BTEX | |
| 880-53654-4 | SS02 | Total/NA | Solid | Total BTEX | |
| 880-53654-5 | SS03 | Total/NA | Solid | Total BTEX | |
| 880-53654-6 | SS04 | Total/NA | Solid | Total BTEX | |
| _ | | | | | |

GC Semi VOA

Prep Batch: 101336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-53654-1 | BH01 | Total/NA | Solid | 8015NM Prep | |
| 880-53654-2 | BH01 | Total/NA | Solid | 8015NM Prep | |
| 880-53654-3 | SS01 | Total/NA | Solid | 8015NM Prep | |
| MB 880-101336/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-101336/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-101336/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

Prep Batch: 101340

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-53654-4 | SS02 | Total/NA | Solid | 8015NM Prep | |
| 880-53654-5 | SS03 | Total/NA | Solid | 8015NM Prep | |
| 880-53654-6 | SS04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-101340/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-101340/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-101340/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

Eurofins Midland

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QC Association Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

GC Semi VOA

Analysis Batch: 101348

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-53654-1 | BH01 | Total/NA | Solid | 8015B NM | 101336 |
| 880-53654-2 | BH01 | Total/NA | Solid | 8015B NM | 101336 |
| 880-53654-3 | SS01 | Total/NA | Solid | 8015B NM | 101336 |
| MB 880-101336/1-A | Method Blank | Total/NA | Solid | 8015B NM | 101336 |
| LCS 880-101336/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 101336 |
| LCSD 880-101336/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 101336 |

Analysis Batch: 101350

| Lab Sample ID 880-53654-4 | Client Sample ID SS02 | Prep Type Total/NA | Matrix Solid | Method 8015B NM | Prep Batch 101340 |
|------------------------------|--------------------------|-----------------------|-----------------|--------------------|-----------------------------|
| 880-53654-5 | SS03 | Total/NA | Solid | 8015B NM | 101340 |
| 880-53654-6 | SS04 | Total/NA | Solid | 8015B NM | 101340 |
| MB 880-101340/1-A | Method Blank | Total/NA | Solid | 8015B NM | 101340 |
| LCS 880-101340/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 101340 |
| LCSD 880-101340/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 101340 |

Analysis Batch: 101454

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-53654-1 | BH01 | Total/NA | Solid | 8015 NM | |
| 880-53654-2 | BH01 | Total/NA | Solid | 8015 NM | |
| 880-53654-3 | SS01 | Total/NA | Solid | 8015 NM | |
| 880-53654-4 | SS02 | Total/NA | Solid | 8015 NM | |
| 880-53654-5 | SS03 | Total/NA | Solid | 8015 NM | |
| 880-53654-6 | SS04 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 101325

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-53654-1 | BH01 | Soluble | Solid | DI Leach | |
| 880-53654-2 | BH01 | Soluble | Solid | DI Leach | |
| 880-53654-3 | SS01 | Soluble | Solid | DI Leach | |
| 880-53654-4 | SS02 | Soluble | Solid | DI Leach | |
| 880-53654-5 | SS03 | Soluble | Solid | DI Leach | |
| 880-53654-6 | SS04 | Soluble | Solid | DI Leach | |
| MB 880-101325/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-101325/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-101325/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-53654-2 MS | BH01 | Soluble | Solid | DI Leach | |
| 880-53654-2 MSD | BH01 | Soluble | Solid | DI Leach | |

Analysis Batch: 101377

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 880-53654-1 | BH01 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-2 | BH01 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-3 | SS01 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-4 | SS02 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-5 | SS03 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-6 | SS04 | Soluble | Solid | 300.0 | 101325 |
| MB 880-101325/1-A | Method Blank | Soluble | Solid | 300.0 | 101325 |
| LCS 880-101325/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 101325 |

Eurofins Midland

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Job ID: 880-53654-1 SDG: Lea County

QC Association Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

HPLC/IC (Continued)

Analysis Batch: 101377 (Continued)

| Lab Sample ID LCSD 880-101325/3-A | Client Sample ID Lab Control Sample Dup | Prep Type Soluble | Matrix Solid | Method 300.0 | Prep Batch |
|--------------------------------------|--|----------------------|-----------------|--------------|------------|
| 880-53654-2 MS | BH01 | Soluble | Solid | 300.0 | 101325 |
| 880-53654-2 MSD | BH01 | Soluble | Solid | 300.0 | 101325 |

Project/Site: Nocaster 19 Federal 3H & 4H RB

Job ID: 880-53654-1 SDG: Lea County

Lab Sample ID: 880-53654-1

Lab Sample ID: 880-53654-2

Lab Sample ID: 880-53654-3

Lab Sample ID: 880-53654-4

Client Sample ID: BH01 Date Collected: 01/24/25 09:20

Client: Ensolum

Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-------------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 101248 | AA | EET MID | 01/27/25 10:24 |
| Total/NA | Analysis | 8021B | | 1 | 101242 | MNR | EET MID | 01/27/25 16:30 |
| Total/NA | Analysis | Total BTEX | | 1 | 101381 | AJ | EET MID | 01/27/25 16:30 |
| Total/NA | Analysis | 8015 NM | | 1 | 101454 | AJ | EET MID | 01/28/25 11:59 |
| Total/NA | Prep | 8015NM Prep | | | 101336 | EL | EET MID | 01/28/25 07:52 |
| Total/NA | Analysis | 8015B NM | | 1 | 101348 | ТКС | EET MID | 01/28/25 11:59 |
| Soluble | Leach | DI Leach | | | 101325 | SA | EET MID | 01/27/25 16:49 |
| Soluble | Analysis | 300.0 | | 1 | 101377 | СН | EET MID | 01/29/25 02:04 |

Client Sample ID: BH01

Date Collected: 01/24/25 09:25 Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-------------|-----|----------|--------|---------|---------|----------------|
| Ргер Туре | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 101248 | AA | EET MID | 01/27/25 10:24 |
| Total/NA | Analysis | 8021B | | 1 | 101242 | MNR | EET MID | 01/27/25 16:50 |
| Total/NA | Analysis | Total BTEX | | 1 | 101381 | AJ | EET MID | 01/27/25 16:50 |
| Total/NA | Analysis | 8015 NM | | 1 | 101454 | AJ | EET MID | 01/28/25 12:14 |
| Total/NA | Prep | 8015NM Prep | | | 101336 | EL | EET MID | 01/28/25 07:52 |
| Total/NA | Analysis | 8015B NM | | 1 | 101348 | ткс | EET MID | 01/28/25 12:14 |
| Soluble | Leach | DI Leach | | | 101325 | SA | EET MID | 01/27/25 16:49 |
| Soluble | Analysis | 300.0 | | 1 | 101377 | СН | EET MID | 01/29/25 02:10 |

Client Sample ID: SS01

Date Collected: 01/24/25 09:56 Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-------------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 101248 | AA | EET MID | 01/27/25 10:24 |
| Total/NA | Analysis | 8021B | | 1 | 101242 | MNR | EET MID | 01/27/25 17:11 |
| Total/NA | Analysis | Total BTEX | | 1 | 101381 | AJ | EET MID | 01/27/25 17:11 |
| Total/NA | Analysis | 8015 NM | | 1 | 101454 | AJ | EET MID | 01/28/25 12:31 |
| Total/NA | Prep | 8015NM Prep | | | 101336 | EL | EET MID | 01/28/25 07:52 |
| Total/NA | Analysis | 8015B NM | | 1 | 101348 | ТКС | EET MID | 01/28/25 12:31 |
| Soluble | Leach | DI Leach | | | 101325 | SA | EET MID | 01/27/25 16:49 |
| Soluble | Analysis | 300.0 | | 1 | 101377 | СН | EET MID | 01/29/25 02:28 |

Client Sample ID: SS02 Date Collected: 01/24/25 09:58 Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|------------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 101248 | AA | EET MID | 01/27/25 10:24 |
| Total/NA | Analysis | 8021B | | 1 | 101242 | MNR | EET MID | 01/27/25 17:31 |
| Total/NA | Analysis | Total BTEX | | 1 | 101381 | AJ | EET MID | 01/27/25 17:31 |

Eurofins Midland

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

5

9

Released to Imaging: 2/28/2025 1:18:44 PM
Project/Site: Nocaster 19 Federal 3H & 4H RB

Job ID: 880-53654-1 SDG: Lea County

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-53654-4

Lab Sample ID: 880-53654-6

Client Sample ID: SS02 Date Collected: 01/24/25 09:58

Client: Ensolum

Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|------------|-------------|-------------|-----|----------|--------|---------|---------|---------------------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8015 NM | | 1 | 101454 | AJ | EET MID | 01/28/25 11:59 |
| Total/NA | Prep | 8015NM Prep | | | 101340 | EL | EET MID | 01/28/25 08:12 |
| Total/NA | Analysis | 8015B NM | | 1 | 101350 | ТКС | EET MID | 01/28/25 11:59 |
| Soluble | Leach | DI Leach | | | 101325 | SA | EET MID | 01/27/25 16:49 |
| Soluble | Analysis | 300.0 | | 1 | 101377 | СН | EET MID | 01/29/25 02:34 |
| lient Samp | le ID: SS03 | | | | | | | Lab Sample ID: 880-53654- |

Client Sample ID: SS03

Date Collected: 01/24/25 10:00 Date Received: 01/24/25 16:45

| | Batch | Batch | | Dilution | Batch | | | Prepared | |
|-----------|----------|-------------|-----|----------|--------|---------|---------|----------------|--|
| Prep Туре | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed | |
| Total/NA | Prep | 5035 | | | 101248 | AA | EET MID | 01/27/25 10:24 | |
| Total/NA | Analysis | 8021B | | 1 | 101242 | MNR | EET MID | 01/27/25 17:52 | |
| Total/NA | Analysis | Total BTEX | | 1 | 101381 | AJ | EET MID | 01/27/25 17:52 | |
| Total/NA | Analysis | 8015 NM | | 1 | 101454 | AJ | EET MID | 01/28/25 12:14 | |
| Total/NA | Prep | 8015NM Prep | | | 101340 | EL | EET MID | 01/28/25 08:12 | |
| Total/NA | Analysis | 8015B NM | | 1 | 101350 | ТКС | EET MID | 01/28/25 12:14 | |
| Soluble | Leach | DI Leach | | | 101325 | SA | EET MID | 01/27/25 16:49 | |
| Soluble | Analysis | 300.0 | | 1 | 101377 | СН | EET MID | 01/29/25 02:51 | |

Client Sample ID: SS04

Date Collected: 01/24/25 10:02 Date Received: 01/24/25 16:45

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed Total/NA Prep 5035 101248 AA EET MID 01/27/25 10:24 Total/NA 8021B 101242 MNR EET MID 01/27/25 18:12 Analysis 1 Total/NA Total BTEX EET MID 01/27/25 18:12 Analysis 1 101381 AJ Total/NA Analysis 8015 NM 101454 AJ EET MID 01/28/25 12:31 1 01/28/25 08:12 Total/NA Prep 8015NM Prep 101340 EL EET MID Total/NA Analysis 8015B NM 101350 TKC EET MID 01/28/25 12:31 1 Soluble Leach DI Leach 101325 SA EET MID 01/27/25 16:49 Soluble Analysis 300.0 101377 CH EET MID 01/29/25 07:53 1

Laboratory References:

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

Eurofins Midland

9

Accreditation/Certification Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB

Laboratory: Eurofins Midland

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

| Authority | Program | n | Identification Number | Expiration Date |
|---|-----------------------------------|------------------------------|---|------------------------|
| Texas | NELAP | | T104704400 | 06-30-25 |
| The following enable | a are included in this report but | the leheratory is not cortif | fied by the governing authority. This lis | t may include analytee |
| for which the agency | does not offer certification. | , | , , , , , , | t may include analytes |
| for which the agency Analysis Method | | Matrix | Analyte | |
| for which the agency | does not offer certification. | , | , , , , , , | |

Job ID: 880-53654-1

SDG: Lea County

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Eurofins Midland

Method Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB Job ID: 880-53654-1 SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|-------------|---|-------------------------------------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |
| EPA = US | STM International Environmental Protection Agency 'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit | ion November 1086 And Its Undetee | |
| | Test Metrical Netrical Metrical Metrical Solid Waste, Physical/Chemical Metricals, Third Edit TestAmerica Laboratories, Standard Operating Procedure | ion, November 1900 And its Opdates. | |
| | s ferences: • Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 | | |
| | | | |
| | | | |
| | | | |
| | | | |

Eurofins Midland

Sample Summary

Client: Ensolum Project/Site: Nocaster 19 Federal 3H & 4H RB Job ID: 880-53654-1 SDG: Lea County

| ab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth | |
|--------------|------------------|--------|----------------|----------------|-------|---|
| 30-53654-1 | BH01 | Solid | 01/24/25 09:20 | 01/24/25 16:45 | 0.5 | _ |
| 30-53654-2 | BH01 | Solid | 01/24/25 09:25 | 01/24/25 16:45 | 1 | |
| 30-53654-3 | SS01 | Solid | 01/24/25 09:56 | 01/24/25 16:45 | 0.5 | |
| 30-53654-4 | SS02 | Solid | 01/24/25 09:58 | 01/24/25 16:45 | 0.5 | |
| 30-53654-5 | SS03 | Solid | 01/24/25 10:00 | 01/24/25 16:45 | 0.5 | |
| 30-53654-6 | SS04 | Solid | 01/24/25 10:02 | 01/24/25 16:45 | 0.5 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | 1 |
| | | | | | | |

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| 🛟 eurof | INS Environ Xenco | ment Tes | ting | | Midland, EL Paso, | on, TX (2 TX (432) , TX (915 | 281) 240) 704-5 5) 585-: | 3440, San 3443, Lub | allas, TX (Antonio, 1 bock, TX | (214) 902-((214) 902-((X (210) 50 (806) 794- (575) 988 | 9-3334 1296 | | | | | Wor | 880- 880- | | Chain of C Page | ustody of | |
|--|--|-----------------------------|---|--|--|---|---------------------------------|--------------------------|---------------------------------------|--|----------------|-------|--------------|--|-----------------------------|--------------|----------------|----------------------------|---|--------------|---|
| Company Name: C | udlie Green insolum, LL of NHavienie didand, TX 7 32-557-88 | C 1d St 91 | | Bill to: (if Company Address: City, State | y Name: e ZIP: | en | sol | um: | (61 | 1 | | | | Program State of F Reportin Deliveral | P roject: g: Leve | W /PST [] | ork Ord PRP | ler Com Brown | fields RF | | _ |
| Project Number: 31 Project Location: 5 Sampler's Name: 7 | HIYH RB OSD 24 COUNTY Abitle Glass 3 D 2 0 2 4 3 4 0 TempBlank: (Ves No V/A) Yes No V/A Yes No V/A Addition Matrix | dian | A Routine Due Date: TAT starts the the lab, if rece Wet Ice: r ID: actor: Reading: | eived by 4:3 | ed by Jopm No R S Grab/ | Pres. Code siataa taa taa taa taa taa taa taa taa ta | TOB HOT XXXXXX | XXXXX BJEX 8021 | XXXXX Chloride 300 | | | | 2023 | | | | | C H H N N Z | lone: NO col: Cool ICL: HC I ₂ SO 4: H 2 I ₃ PO 4: HP IaHSO 4: NAE Ia ₂ S ₂ O ₃ : NAS in Acetate+N IaOH+Ascorb | O 3 | 9 |
| Total 200.7 / 6010 Circle Method(s) and Notice: Signature of this docume of service. Eurofins Xenco will be | 200.8 / 6020: d Metal(s) to be anal | yzed es constitutes a va | CRA 13PP TCLP / SI | M Texa PLP 6010 | as 11 A : 8RCF | RA Sta | As As | Ba Be o, Its affiliat | Cd Cr es and sub | Co Cu contractors | Pb Mn | MO Ni | Se erms a | Ag TI U | J ns | - | _ | | I Sn U V 2 7470 / 747 | | |
| | harge of \$85.00 will be applied to | o each project an | | or each sam | | ed to Eur | rofins Xe | | | d. These ten | ns will be | | less pr | eviously neg | gotiated. | ceived b | by: (Sign | ature) | | Date/Time | |

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Released to Imaging: 2/28/2025 1:18:44 PM

13 **1**2 **1 1**0 **9 8 7 6 5 4 3 2**

Job Number: 880-53654-1 SDG Number: Lea County

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 53654 List Number: 1 Creator: Vasquez, Julisa

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

N/A

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

Eurofins Midland Released to Imaging: 2/28/2025 1:18:44 PM 14

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

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QUESTIONS

Action 432945

| QUESTIONS | | | | | |
|--------------------|---|--|--|--|--|
| Operator: | OGRID: | | | | |
| COG OPERATING LLC | 229137 | | | | |
| 600 W Illinois Ave | Action Number: | | | | |
| Midland, TX 79701 | 432945 | | | | |
| | Action Type: | | | | |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | | | | |

QUESTIONS

| Prerequisites | |
|-------------------|---|
| Incident ID (n#) | nAPP2435355882 |
| Incident Name | NAPP2435355882 NOCASTER 19 FEDERAL 3H & 4H RB @ 0 |
| Incident Type | Release Other |
| Incident Status | Remediation Closure Report Received |
| Incident Facility | [fAPP2203775638] Nocaster 19 Fed #3 & #4 RB |
| | |

Location of Release Source

| Please | answer | all the | questions | in | this group. |
|--------|--------|---------|-----------|----|-------------|
| | | | | | |

| Site Name | Nocaster 19 Federal 3H & 4H RB |
|-------------------------|--------------------------------|
| Date Release Discovered | 12/18/2024 |
| Surface Owner | State |

Incident Details

| Please answer all the questions in this group. | | | | | | | |
|---|---------------|--|--|--|--|--|--|
| Incident Type | Release Other | | | | | | |
| 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 | Νο | | | | | | |
| Has this release endangered or does it have a reasonable probability of endangering public health | Νο | | | | | | |
| 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

| aterial(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 | Cause: Equipment Failure Other (Specify) Crude Oil Released: 38 BBL Recovered: 38 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure Other (Specify) Produced Water Released: 4 BBL Recovered: 4 BBL Lost: 0 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 432945

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------|---|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 432945 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Nature and Volume of Release (continued) | |
|--|--|
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. | e. gas only) are to be submitted on the C-129 form. |

| Initial Response | | |
|--|--|--|
| The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. | | |
| The source of the release has been stopped | 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 | |
| | Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow | |
| 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/07/2025 | |

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QUESTIONS (continued)

| Operator: | UGRID: |
|--------------------|---|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 432945 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

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 100 and 500 (ft.) |
|---|---------------------------|
| What method was used to determine the depth to ground water | Direct Measurement |
| 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 100 and 200 (ft.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between ½ and 1 (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 | Greater than 5 (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 |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contaminatio | n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | Yes |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complete which includes the anticipated timelines for beginning and completing the remediation. | d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, |
| On what estimated date will the remediation commence | 12/18/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 01/24/2025 |
| On what date will (or was) the remediation complete(d) | 01/24/2025 |
| What is the estimated surface area (in square feet) that will be remediated | 0 |
| What is the estimated volume (in cubic yards) that will be remediated | 0 |
| These estimated dates and measurements are recognized to be the best guess or calculation at the | ne time of submission and may (be) change(d) over time as more remediation efforts are completed. |

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QUESTIONS, Page 3

Action 432945

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Operator

QUESTIONS

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

QUESTIONS (continued) OGRID COG OPERATING LLC 229137 600 W Illinois Ave Action Number: Midland, TX 79701 432945 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) 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.) | | |
|---|---------------|--|
| Is (or was) there affected material present needing to be removed | Yes | |
| Is (or was) there a power wash of the lined containment area (to be) performed | Yes | |
| OTHER (Non-listed remedial process) | Not answered. | |
| 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

| Date: 02/18/2025 | I hereby agree and sign off to the above statement | Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/18/2025 |
|------------------|--|---|
|------------------|--|---|

he 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

Action 432945

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

QUESTIONS, Page 6

Action 432945

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------|---|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 432945 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Liner Inspection Information | |
|---|------------|
| Last liner inspection notification (C-141L) recorded | 416483 |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 01/08/2025 |
| Was all the impacted materials removed from the liner | Yes |
| What was the liner inspection surface area in square feet | 3175 |

Remediation Closure Request

| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | |
|--|---|
| 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 | Yes |
| What was the total surface area (in square feet) remediated | 0 |
| What was the total volume (cubic yards) remediated | 0 |
| Summarize any additional remediation activities not included by answers (above) | Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) at the location of the tear in the liner to assess for the presence or absence of impacted soil resulting from the December 18, 2024, crude oil and produced water release within lined containment. Laboratory analytical results for delineation soil samples, collected directly beneath and around the lined containment, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. The release was contained laterally by the lined containment and all released fluids were recovered during initial response efforts. The tear in the liner was subsequently repaired. |

i ne responsible party must attach information demonstrating they have compiled 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.

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.

| I hereby agree and sign off to the above statement | Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/18/2025 |
|--|---|
|--|---|

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CONDITIONS

| Operator: | OGRID: |
|--------------------|---|
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| 600 W Illinois Ave | Action Number: |
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| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | | Condition Date |
|---------------|--|-------------------|
| nvelez | Liner inspection approved, release resolved. | 2/28/2025 |

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Action 432945