

July 10, 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

New Wave Lobo Frac Booster Incident Number nAPP2505953548 Lea County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared this *Closure Request* to document excavation, and soil sampling activities performed at the New Wave Lobo Frac Booster (Site). The purpose of the excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address waste-containing soil following a release of produced water at the Site. Based on the excavation activities and analytical results from the soil sampling events, Mewbourne is submitting this *Closure Request*, describing remediation that has occurred and requesting no further action for Incident Number nAPP2505953548.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 28, Township 21 South, Range 32 East, in Lea County, New Mexico (32.44444°, -103.68827°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 15, 2025, a produced water flowline failure resulted in the release of 78 barrels (bbls) of produced water onto the surface of a right-of-way (ROW) and adjacent pasture areas. No fluids were recovered. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on February 28, 2025. The release was assigned Incident Number nAPP2505953548.

Ensolum conducted assessment and delineation activities for the release and presented the results in a *Work Plan*. The *Work Plan* was submitted to the NMOCD on May 17, 2025, and approved on May 21, 2025. While delineation activities did not identify impacted soil within the release area, waste-containing soil was identified and is required to be addressed for reclamation purposes. The *Work Plan* proposed excavation of an estimated 530 cubic yards of waste-containing soil, elevated with chloride, in an approximately 6,125 square foot area. Confirmation soil samples were to be collected from the floor of the excavation until the soil was in compliance with Site Closure Criteria and/or reclamation requirement and excavation sidewall samples were to be in compliance with the strictest Table I Closure Criteria. Following excavation and a review of confirmation soil sampling results indicating waste-containing soil had been removed, the excavation was to be backfilled with locally procured like-material and recontoured to match pre-existing Site conditions and reseeded with a BLM approved seed mixture. A copy of the May 15, 2025, *Work Plan* is included in Appendix A.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 N Marienfield Street #400 | Midland, TX 78209 | ensolum.com Mewbourne Oil Company Closure Request New Wave Lobo Frac Booster



#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the approved *Work Plan*, 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: 10,000 mg/kg

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

#### **EXCAVATION SOIL SAMPLING ACTIVITIES**

Between May 13 and May 28, 2025, Ensolum personnel returned to the Site to oversee excavation activities. Excavation occurred utilizing heavy equipment in the areas proposed in the *Work Plan* and as indicated by visible staining and delineation soil sample laboratory analytical data. The excavation occurred in the ROW and pasture areas. To direct excavation activities, soil was screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The excavation was completed to a terminus depth of 4 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the waste-containing soil, 5-point composite soil samples were collected at a frequency of one sample representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS41 were collected from the floor of the excavation at depths ranging from 0.5 feet to 4 feet bgs. Confirmation soil samples SW01 through SW07 were collected from the sidewalls of the excavation from depths ranging from ground surface to 4 feet bgs. The excavation extent and confirmation soil sample locations are presented on Figure 1.

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

The excavation area measured approximately 6,125 square feet and a total of approximately 800 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil

Mewbourne Oil Company Closure Request New Wave Lobo Frac Booster



was transported and properly disposed of at the R360 Antelope Draw Facility in Jal, New Mexico. Copies of all soil disposal manifests are provided in Appendix C. The final excavation will be backfilled with locally procured like-material and recontoured to match pre-existing Site conditions and reseeded with a BLM approved seed mixture following approval of the *Closure Request*.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for confirmation soil samples FS01 through FS41 indicated all COC concentrations were compliant with the Closure Criteria and/or reclamation requirement. Confirmation floor soil samples FS16, FS32, and FS34 initially indicated chloride concentrations exceeded reclamation requirements and were subsequently excavated further. Laboratory analytical results for confirmation sidewall soil samples SW01 through SW07 indicated all COC concentrations were in compliance with the strictest Table I Closure Criteria. Laboratory analytical results are presented on Table 1 and laboratory analytical reports are included in Appendix D.

#### **CLOSURE REQUEST**

Excavation activities were conducted at the Site to address the February 2025 release of produced water. Laboratory analytical results for all confirmation soil samples, collected from the final excavation extents from the floor of the excavation, indicated all COC concentrations were compliant with the Closure Criteria and/or reclamation requirement. Laboratory analytical results for all confirmation soil samples, collected from the final excavation sidewall, indicated COC concentrations were in compliance with the strictest Table I Closure Criteria. Based on the soil sample analytical results, no further remediation was required. New Wave and/or Mewbourne will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions following approval of the Closure Request. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

Excavation of waste-containing soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be between 51 feet and 100 feet bgs and no other sensitive receptors were identified near the release extent. New Wave and Mewbourne believe these remedial actions are protective of human health, the environment, and groundwater. As such, New Wave and Mewbourne respectfully requests closure for Incident Number nAPP2505953548.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

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

Jeremy Reich Project Geologist Tacoma Morrissey, MS Associate Principal

Mouissey

cc: Brock Molander, New Wave

Mewbourne Oil Company Closure Request New Wave Lobo Frac Booster



Connor Walker, Mewbourne Oil Company Jeff Broom, Mewbourne Oil Company BLM

### Appendices:

Figure 1 Confirmation Soil Sample Locations
Table 1 Soil Sample Analytical Results

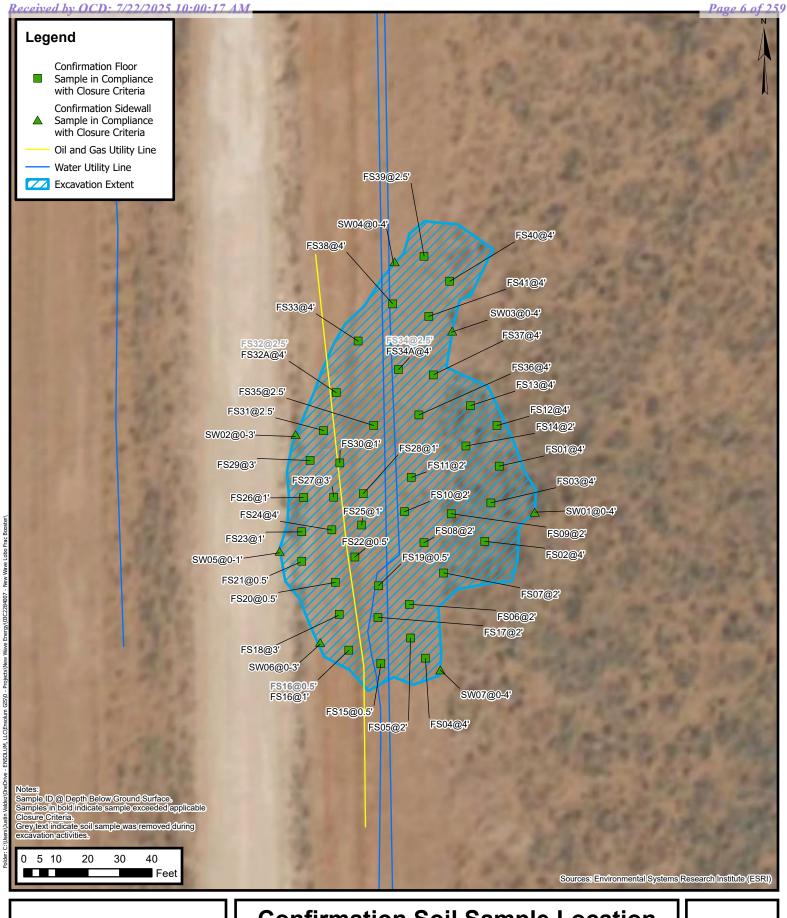
Appendix A May 15, 2025, Remediation Work Plan

Appendix B Photographic Log Appendix C Waste Manifests

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



**FIGURES** 





### **Confirmation Soil Sample Location**

Mewbourne Oil Company New Wave Lobo Frac Booster Incident Number: nAPP2505953548 Unit M, Section 28, T 21S, R 32E Lea County, New Mexico

**FIGURE** 



**TABLES** 



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster Mewbourne Oil Company Lea County, New Mexico

| Sample I.D.     | Sample<br>Date     | Sample Depth<br>(feet bgs) | Benzene<br>(mg/kg) | Total BTEX<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH ORO<br>(mg/kg) | GRO+DRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Chloride<br>(mg/kg) |
|-----------------|--------------------|----------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| NMOCD Table I C | Closure Criteria ( | NMAC 19.15.29)             | 10                 | 50                    | NE                 | NE                 | NE                 | 1,000              | 2,500                | 10,000              |
|                 |                    |                            |                    | Confi                 | irmation Soil Sa   | imples             |                    |                    |                      |                     |
| FS01            | 05/13/2025         | 4                          | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 667                 |
| FS02            | 05/13/2025         | 4                          | <0.00138           | <0.00226              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 6,710               |
| FS03            | 05/13/2025         | 4                          | <0.00138           | <0.00227              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 6,760               |
| FS04            | 05/20/2025         | 4                          | <0.00139           | <0.00228              | <14.5              | 32.7               | <15.1              | 32.7               | 32.7                 | 2,860               |
| FS05            | 05/13/2025         | 2                          | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 324                 |
| FS06            | 05/13/2025         | 2                          | <0.00141           | <0.00231              | <14.5              | 18.4               | <15.1              | 18.4               | 18.4                 | 253                 |
| FS07            | 05/13/2025         | 2                          | <0.00138           | <0.00227              | <14.5              | 15.3               | <15.1              | 15.3               | 15.3                 | 367                 |
| FS08            | 05/13/2025         | 2                          | <0.00138           | <0.00227              | <14.5              | 15.4               | <15.1              | 15.4               | 15.4                 | 301                 |
| FS09            | 05/13/2025         | 2                          | <0.00139           | <0.00229              | <14.6              | <15.2              | <15.2              | <15.2              | <15.2                | 169                 |
| FS10            | 05/13/2025         | 2                          | <0.00138           | <0.00226              | <14.6              | <15.2              | <15.2              | <15.2              | <15.2                | 256                 |
| FS11            | 05/19/2025         | 2                          | <0.00140           | <0.00229              | <14.5              | 18.2               | <15.1              | 18.2               | 18.2                 | 464                 |
| FS12            | 05/20/2025         | 4                          | <0.00138           | <0.00226              | <14.5              | 30.3               | <15.1              | 30.3               | 30.3                 | 2,380               |
| FS13            | 05/20/2025         | 4                          | <0.00139           | <0.00228              | <14.5              | 29.0               | <15.1              | 29.0               | 29.0                 | 872                 |
| FS14            | 05/19/2025         | 2                          | <0.00139           | <0.00229              | <14.5              | 18.0               | <15.1              | 18.0               | 18.0                 | 233                 |
| FS15            | 05/19/2025         | 0.5                        | <0.00138           | <0.00227              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 457                 |
| FS16            | 05/19/2025         | 0.5                        | <0.00139           | <0.00228              | <14.5              | <del>16.3</del>    | <15.1              | <del>16.3</del>    | <del>16.3</del>      | 671                 |
| FS16            | 05/28/2025         | 1                          | <0.00139           | <0.00228              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 207                 |
| FS17            | 05/20/2025         | 2                          | <0.00140           | <0.00230              | <14.5              | 34.5               | <15.1              | 34.5               | 34.5                 | 504                 |
| FS18            | 05/20/2025         | 3                          | <0.00138           | <0.00227              | <14.5              | 26.7               | <15.1              | 26.7               | 26.7                 | 202                 |
| FS19            | 05/19/2025         | 0.5                        | <0.00141           | <0.00231              | <14.5              | 15.4               | <15.1              | 15.4               | 15.4                 | 432                 |
| FS20            | 05/19/2025         | 0.5                        | <0.00140           | <0.00230              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 218                 |
| FS21            | 05/19/2025         | 0.5                        | <0.00138           | <0.00226              | <14.5              | 20.7               | <15.1              | 20.7               | 20.7                 | 338                 |
| FS22            | 05/19/2025         | 0.5                        | <0.00138           | <0.00227              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 583                 |
| FS23            | 05/19/2025         | 1                          | <0.00138           | <0.00227              | <14.4              | 16.3               | <15.0              | 16.3               | 16.3                 | 120                 |
| FS24            | 05/28/2025         | 4                          | <0.00139           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 293                 |
| FS25            | 05/20/2025         | 1                          | <0.00140           | <0.00230              | <14.5              | 31.7               | <15.1              | 31.7               | 31.7                 | 332                 |



## TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster Mewbourne Oil Company Lea County, New Mexico

| Sample I.D.                                    | Sample<br>Date | Sample Depth<br>(feet bgs) | Benzene<br>(mg/kg) | Total BTEX<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH ORO<br>(mg/kg) | GRO+DRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Chloride<br>(mg/kg) |
|--|----------------|----------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |                | 10                         | 50                 | NE                    | NE                 | NE                 | 1,000              | 2,500              | 10,000               |                     |
| FS26   | 05/19/2025     | 1                          | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 89.8                |
| FS27   | 05/28/2025     | 3                          | <0.00139           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 274                 |
| FS28   | 05/19/2025     | 1                          | <0.00141           | <0.00231              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 237                 |
| FS29   | 05/19/2025     | 3                          | <0.00138           | <0.00227              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 93.2                |
| FS30   | 05/20/2025     | 1                          | <0.00139           | <0.00229              | <14.5              | 27.7               | <15.1              | 27.7               | 27.7                 | 201                 |
| FS31   | 05/20/2025     | 2.5                        | <0.00139           | <0.00229              | <14.5              | 23.9               | <15.1              | 23.9               | 23.9                 | 91.9                |
| FS32   | 05/20/2025     | 2.5                        | <0.00139           | <0.00228              | <14.4              | <del>28.0</del>    | <15.0              | 28.0               | 28.0                 | 608                 |
| FS32A  | 05/28/2025     | 4                          | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 882                 |
| FS33   | 05/28/2025     | 4                          | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 4,690               |
| FS34   | 05/20/2025     | 2.5                        | <0.00140           | <0.00229              | <14.5              | 27.0               | <15.1              | 27.0               | 27.0                 | 1,450               |
| FS34A  | 05/28/2025     | 4                          | <0.00141           | <0.00231              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 4,610               |
| FS35   | 05/20/2025     | 2.5                        | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 546                 |
| FS36   | 05/20/2025     | 4                          | <0.00139           | <0.00229              | <14.5              | 24.1               | <15.1              | 24.1               | 24.1                 | 3,300               |
| FS37   | 05/20/2025     | 4                          | <0.00141           | <0.00231              | <14.5              | 29.7               | <15.1              | 29.7               | 29.7                 | 4,780               |
| FS38   | 05/28/2025     | 4                          | <0.00138           | <0.00227              | <14.4              | <15.0              | <15.0              | <15.0              | <15.0                | 2,220               |
| FS39   | 05/20/2025     | 2.5                        | <0.00138           | <0.00227              | <14.5              | 23.7               | <15.1              | 23.7               | 23.7                 | 193                 |
| FS40   | 05/28/2025     | 4                          | <0.00138           | <0.00227              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 671                 |
| FS41   | 05/28/2025     | 4                          | <0.00139           | <0.00228              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 1,640               |
| SW01   | 05/19/2025     | 0-4                        | <0.00141           | <0.00231              | <14.5              | 15.2               | <15.1              | 15.2               | 15.2                 | 226                 |
| SW02   | 05/19/2025     | 0-3                        | <0.00139           | <0.00228              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 109                 |
| SW03   | 05/28/2025     | 0-4                        | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 161                 |
| SW04   | 05/28/2025     | 0-4                        | <0.00138           | <0.00227              | <14.6              | <15.2              | <15.2              | <15.2              | <15.2                | 156                 |
| SW05   | 05/28/2025     | 0-1                        | <0.00138           | <0.00227              | <14.4              | <15.0              | <15.0              | <15.0              | <15.0                | 98.2                |
| SW06   | 05/28/2025     | 0-3                        | <0.00140           | <0.00229              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 79.4                |
| SW07   | 05/28/2025     | 0-4                        | <0.00141           | <0.00231              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 221                 |

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Remediation Work Plan, May 15, 2025



May 15, 2025

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Remediation Work Plan
New Wave Lobo Frac Booster
Incident Number nAPP2505953548
Lea County, New Mexico

#### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared the following *Remediation Work Plan* (*Work Plan*) to document delineation activities completed to date and to propose excavation of impacted soil to address a produced water release that occurred at the New Wave Lobo Frac Booster (Site) facility. The purpose of the delineation activities was to define the lateral and vertical extent of impacted soil resulting from the release. The following *Work Plan* proposes to excavate impacted soil and conduct confirmation soil sampling activities.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 28, Township 21 South, Range 32 East, in Lea County, New Mexico (32.44444°,-103.68827°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 15, 2025, corrosion of a produced water flowline resulted in the release of 78.4 barrels (bbls) of produced water to the surface of a right-of-way and pasture areas. No fluids were recovered. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on February 28, 2025. The release was assigned Incident Number nAPP2505953548.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. On June 14, 2024, New Mexico Office of State Engineer (OSE) permitted well (C-04839) was advanced to a depth of 55 feet below ground surface (bgs) approximately 520 feet northeast of the Site to determine the regional depth to groundwater. No groundwater was observed, verifying that depth to water is greater than 55 feet bgs. The Well Record & Log is included in Appendix A

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 5,993 feet south of the Site. The Site is greater than 200 feet from any 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 1 Closure Criteria (Closure Criteria) apply:

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

TPH: 2,500 mg/kg

Chloride: 10,000 mg/kg

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

#### SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between March 24 and May 12, 2025, Ensolum personnel conducted Site assessment and delineation activities to evaluate the release extent based on information provided on the C-141 and visual observations. Six delineation soil samples (SS01 through SS06) were collected around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of the release. Eight boreholes (BH01 through BH08) were advanced via hand auger to depths ranging from 1-foot to 4 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from 0.5-feet bgs to 4 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site activities and a photographic log is included in Appendix B. Field screening results and observations for all boreholes advanced were logged on lithologic/soil sampling logs, which are included in Appendix C The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The delineation soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico or Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500 or EPA 300.0.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SS01 through SS06, collected outside of the release extent, indicated all COC concentrations were in compliance with the Closure Criteria and reclamation requirements, successfully defining the lateral extent of the release. Laboratory analytical results for soil samples BH01, BH02, BH03, BH03A, BH03B, BH05, BH06A, BH06B, BH07A, and BH08 collected at 1-foot bgs indicated chloride concentrations exceeded reclamation requirement



Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

standards. Soil samples collected from the terminal depths of all boreholes advanced indicated analytical results in compliance with Closure Criteria and/or reclamation requirement, thus, defining the vertical extent of the release. All other delineation soil samples collected indicated all COC concentrations were below reclamation requirements. Laboratory analytical results are summarized in Table 1 and the Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D.

#### PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate that chloride impacted soil exists across an estimated 6,125 square-foot area and extends to depths ranging from 1-foot to 4 feet bgs. New Wave and Mewbourne proposes to complete the following remediation activities:

- Excavation of impacted soil to depths ranging from 1-foot to 4 feet bgs, based on delineation soil sample laboratory analytical data. An estimated 530 cubic yards impacted soil will be excavated. The excavated soil will be transferred a New Mexico approved landfill disposal facility for disposal.
- Following the soil removal, 5-point composite confirmation soil samples will be collected at a frequency of every 200 square feet from the floor and sidewalls of the final excavation extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The confirmation soil samples will be handled as described above and submitted to either Cardinal or Eurofins for the same COCs described above. The excavation sidewalls will proceed laterally until all confirmation sidewall soil samples confirm all COC concentrations are compliant with the reclamation requirement.
- Following excavation and a review of confirmation soil sampling results indicating impacted soil
  has been removed, the excavation will be backfilled with locally procured like-material and
  recontoured to match pre-existing Site conditions and reseeded with a BLM approved seed
  mixture.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

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

Jeremy Reich Project Geologist Tacoma Morrissey, MS Associate Principal

Mouissey

cc: Brock Molander, New Wave
Connor Walker, Mewbourne Operating Company
Jeff Broom, Mewbourne Operating Company
BLM



Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

### Appendices:

Figure 1 Site Receptor Map

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

Appendix B Photographic Log

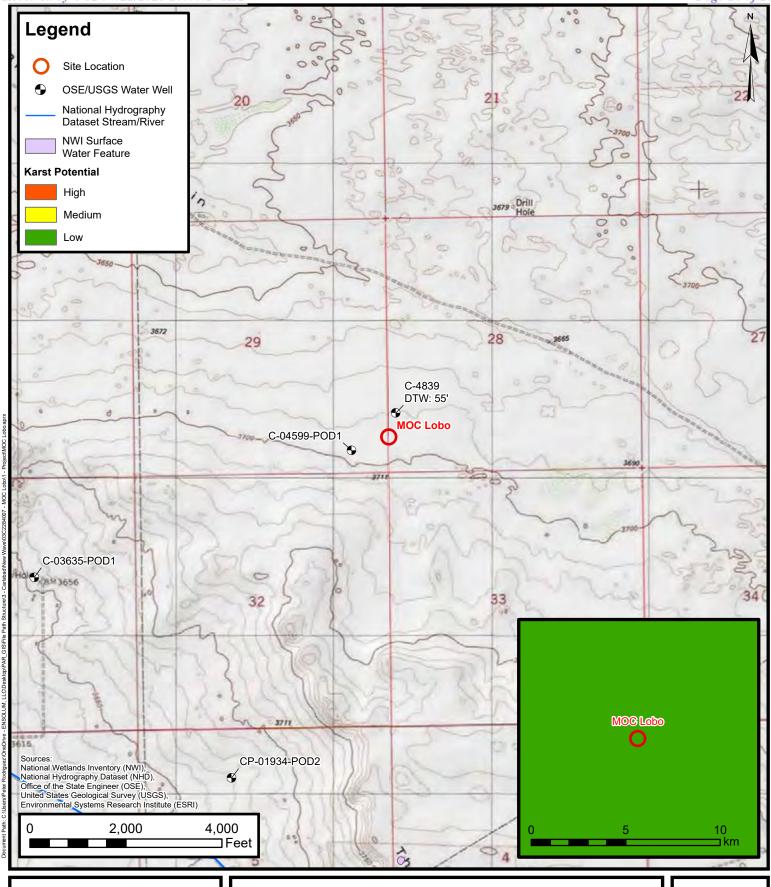
Appendix C Lithologic / Soil Sampling Logs

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





**FIGURES** 

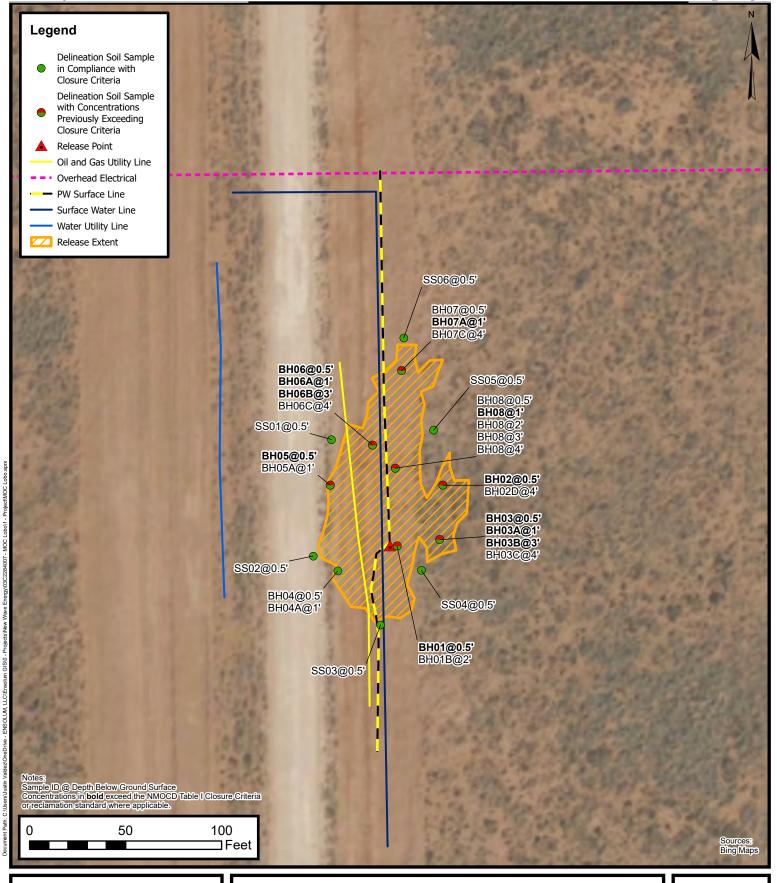




### **Site Receptor Map**

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

Unit M, Sec 28, T21S, R32E Lea County, New Mexico FIGURE



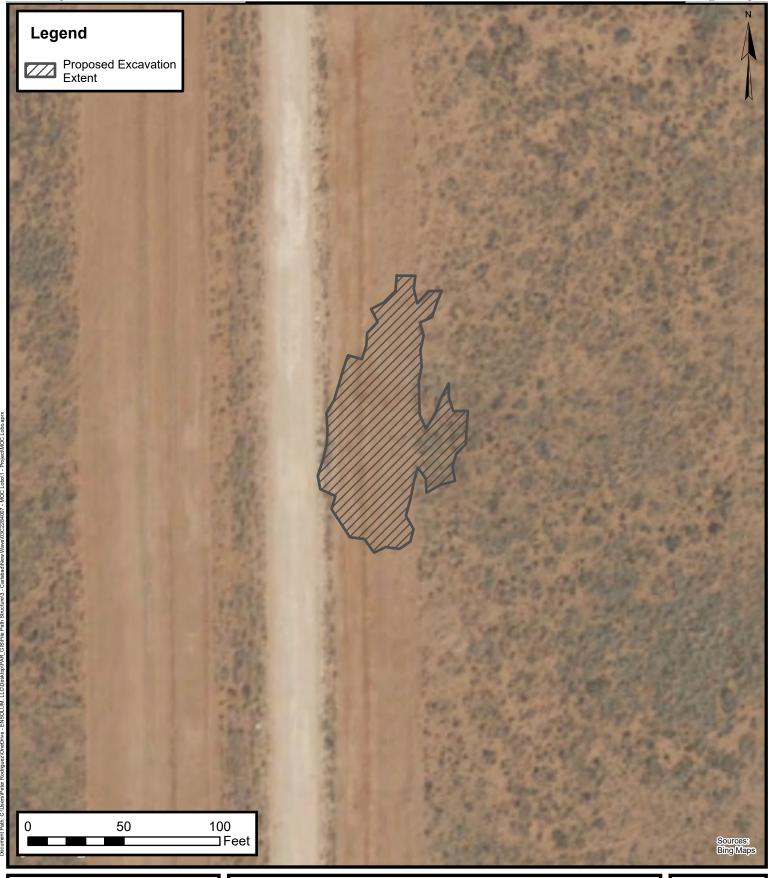


## **Delineation Soil Sample Locations**

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

> Unit M, Sec 28, T21S, R32E Lea County, New Mexico

FIGURE





## **Proposed Excavation Extent**

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

Unit M, Sec 28, T21S, R32E Lea County, New Mexico **FIGURE** 



**TABLES** 



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster New Wave Energy Lea County, New Mexico

| Sample I.D.     | Sample<br>Date                                 | Sample Depth<br>(feet bgs) | Benzene<br>(mg/kg) | Total BTEX<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH ORO<br>(mg/kg) | GRO+DRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Chloride<br>(mg/kg) |
|-----------------|--|----------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| NMOCD Table I C | NMOCD Table I Closure Criteria (NMAC 19.15.29) |                            |                    | 50                    | NE                 | NE                 | NE                 | 1,000              | 2,500                | 10,000              |
|                 |  |                            |                    | Deli                  | neation Soil Sa    | mples              | ·                  |                    |                      | ·                   |
| SS01            | 05/12/2025                                     | 0.5                        | <0.00139           | <0.00228              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 98.4                |
| SS02            | 05/12/2025                                     | 0.5                        | <0.00138           | <0.00226              | <14.5              | 19.1               | <15.1              | 19.1               | 19.1                 | 481                 |
| SS03            | 05/12/2025                                     | 0.5                        | <0.00139           | <0.00228              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 110                 |
| SS04            | 05/12/2025                                     | 0.5                        | <0.00138           | <0.00226              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 245                 |
| SS05            | 05/12/2025                                     | 0.5                        | <0.00140           | <0.00229              | <14.6              | <15.2              | <15.2              | <15.2              | <15.2                | 311                 |
| SS06            | 05/12/2025                                     | 0.5                        | <0.00138           | <0.00226              | <14.5              | <15.1              | <15.1              | <15.1              | <15.1                | 152                 |
| BH01            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 928                 |
| BH01B           | 03/24/2025                                     | 2                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 80.0                |
| BH02            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 2,920               |
| BH02D           | 03/24/2025                                     | 4                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 560                 |
| BH03            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 864                 |
| BH03A           | 03/24/2025                                     | 1 1                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 3,200               |
| BH03B           | 05/02/2025                                     | 3                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 1,570               |
| BH03C           | 05/02/2025                                     | 4                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 272                 |
| BH04            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 16.0                |
| BH04A           | 03/24/2025                                     | 1 1                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 32.0                |
| BH05            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 1,490               |
| BH05A           | 03/24/2025                                     | 1 1                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 160                 |
| BH06            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 1,260               |
| BH06A           | 03/24/2025                                     | 1                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 2,760               |
| BH06B           | 05/02/2025                                     | 3                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 10,000              |
| BH06C           | 05/02/2025                                     | 4                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 4,000               |
| BH07            | 03/24/2025                                     | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 96.0                |
| BH07A           | 03/24/2025                                     | 1                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 3,560               |
| BH07B           | 05/02/2025                                     | 3                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 80.0                |
| BH07C           | 05/02/2025                                     | 4                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 48.0                |

Ensolum 1 of 2



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster New Wave Energy Lea County, New Mexico

| Sample I.D.      | Sample<br>Date    | Sample Depth<br>(feet bgs) | Benzene<br>(mg/kg) | Total BTEX<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH ORO<br>(mg/kg) | GRO+DRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Chloride<br>(mg/kg) |
|------------------|-------------------|----------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| NMOCD Table I CI | osure Criteria (l | NMAC 19.15.29)             | 10                 | 50                    | NE                 | NE                 | NE                 | 1,000              | 2,500                | 10,000              |
| BH08             | 03/24/2025        | 0.5                        | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 400                 |
| BH08             | 03/24/2025        | 1                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 1,700               |
| BH08             | 03/24/2025        | 2                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 256                 |
| BH08             | 03/24/2025        | 3                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 128                 |
| BH08             | 03/24/2025        | 4                          | <0.050             | <0.300                | <10.0              | <10.0              | <10.0              | <10.0              | <10.0                | 256                 |

#### Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



**APPENDIX A** 

Referenced Well Records



| POD-1                    |  |                                      | Bett (vojo so  |                 | 0.80-010 20050<br>C 04839                 |  |                                      |                          |  |  |  |
|--------------------------|--|--------------------------------------|--|-----------------|---|--|--------------------------------------|--------------------------|--|--|--|
| Ecodinghi N              |  | n Permian, LLC                       |  |                 | 432-530-9517                              |  |                                      |                          |  |  |  |
| MILOWSON<br>1612 Tring   |  | ADDRESS                              |  |                 | City<br>Midland                           | STATE<br>TX: 79707                       | XII                                  |                          |  |  |  |
| (1=0)(00 (1A)            |  | nnoj.                                |  | ONDS<br>14,89 N |   | REQUIRED: ONE TEN                        | TH OF A SECOND                       |                          |  |  |  |
| 0.6001138                | 1305   | varion/                              | 103 41   | 5.78 W          | " DATEMER                                 | JURED WGS 84                             |                                      |                          |  |  |  |
|                          |  | on 28, T21S, R32k                    | ISTULT ADDRESS AND COMMON LAND   | OMARKS - PLS    | S (SECTION, TO                            | WNSHJIP, ILANGE) WII                     | ERE AVAILABLE                        |                          |  |  |  |
| 1.01-3680-317            |  | NAME OF LICENSEIN                    | PRILITA<br>Join Norris   |                 |   | NAME OF WELL DR                          | ILLING COMPANY<br>ngry Hoise, LLC    |                          |  |  |  |
| marken (7)               |  | 08B1 (NO ENDED)<br>6/14/24           | DEPTH IN CONTROLLING WITH A LICE   | TRUST THE       | () ()(()()()()()<br>55.                   | DEPTH WATER FIRE                         | ST ENCOUNTEREDIET<br>NA              | )                        |  |  |  |
| COMMETTER.               | NOTEL 19:  | ARTESIAN *566<br>Centraliter info by | F DRVIOLE T SHALLOW (LIS   | CONTOUR         |   | C WATER LEVEL NA DATE STATIC MEASE NA NA |                                      |                          |  |  |  |
| 1800 F188/11 F           | 916  | [-] AH                               | (00) (IVES - 5   | PECIFY          |   |  |                                      |                          |  |  |  |
| 1980 (4371+343)          | 1030   | BOTARY E HASE                        | meg [ ] (m)  | PECIFY          |   | INSTAL                                   | THERE IF PITLESS ADA                 | LLENCT2                  |  |  |  |
| DEPTH (lest igt) FROM TO |  | BORE HOEI<br>DIAM<br>(inches)        | VASSICIATE HORIAL AND/OR MINARE Impinic such training string, and note sections of screen) | 30088           | ASING<br>SECTION<br>VPL<br>ling diameters | CASING<br>INSIDE DIAM.<br>(mches)        | CASING WALL<br>THICKNESS<br>(inches) | SLOT<br>SIZE<br>(inches) |  |  |  |
|                          |  |                                      | Na Caring  |                 |   |  |                                      |                          |  |  |  |
|                          |  |                                      |  |                 |   |  | OSE DII<br>AUG 15                    |                          |  |  |  |
|                          |  |                                      |  |                 |   |  |                                      |                          |  |  |  |
| DEETI (C                 | net hiely  | BORE HOLE                            | LIST ANNULAR SEAL MATURIAL - BANGI-BY-INT  |                 | . PAČK SIZE                               | AMOUNT                                   | METHO                                |                          |  |  |  |
| FROM                     | and the second s |                                      |  |                 | spacing below)                            | (cubic feet)                             | PLACE                                |                          |  |  |  |
| 10 55 6                  |  |                                      | unive so   |                 |   | 8.84                                     |                                      | shovel                   |  |  |  |
|                          |  |                                      |  |                 |   |  |                                      |                          |  |  |  |
| NIL C -L                 | AL USE<br>1839   | E. 28                                | POD NO.  |                 |   | WELL RECORD &                            | & LOG (Version (9).)                 | (2/2022)                 |  |  |  |

| L  | DEPTH (fee | et bgl)   |                        | COLOR AND TYPE OF MATERIAL ENCOUNT   | TERED -         | WA        | TER           | ESTIMATED                                     |
|----|------------|-----------|------------------------|--|-----------------|-----------|---------------|---|
|    | FROM       | TO        | THICKNESS<br>(feet)    | INCLUDE WATER-BEARING CAVITIES OR FRACT<br>(attach supplemental sheets to fully describe al  | TURE ZONES      | BEAR      | RING?<br>/NO) | YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
| Ī  | 0          | 15        | 15                     | Dark Brown, Sandstone w/Gypsum Fragments,  | , Silty         | Y         | ∨ N           |   |
| Ī  | 15         | 20        | 5                      | Tan, Very Fine Sandstone. Silty  |                 | Y         | VN            |   |
|    | 20         | 25        | 5                      | Brown, Very Fine Sandstone, Silty  |                 | Y         | ✓ N           |   |
| 1  | 25         | 30        | 5                      | Tan, Very Fine Sandstone, Silty  |                 | Y         | ∨ N           |   |
|    | 30         | 45        | 15                     | Tan, Very Fine Sandstone w/Gypsum Fragments  | s, Silty        | Y         | ∨ N           |   |
|    | 45         | 55        | 10                     | Brown, Very Fine Sandstone w/Gypsum Fragmen  | nts, Silty      | Y         | VN            |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | Ν             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
| 1  |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | 'n            | SE DII ROS                                    |
|    |            |           |                        |  |                 | Y         | N             | UG 15 2024                                    |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
|    |            |           |                        |  |                 | Y         | N             |   |
| ŀ  | METHOD US  |           |                        | DF WATER-BEARING STRATA;  BAILER OTHER - SPECIFY: Not tested   |                 | TAL ESTIN |               | 0.00  |
| t  | WELL TEST  |           |                        | CH A COPY OF DATA COLLECTED DURING WELL THE AND A TABLE SHOWING DISCHARGE AND DRAW   |                 |           |               |   |
|    | MISCELLANI | OUS INF   | rele                   | borehole was drilled according to NMOCD request as ase site. As per NMOCD, drill a 55' borehole, wait 72 present so borehole was plugged per approved pluggi | hours, then gau |           |               |   |
| F  | PRINT NAME | (S) OF DI | RILL RIG SUPER         | VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF   | WELL CONSTR     | UCTION O  | THER T        | HAN LICENSEE:                                 |
|    |            | CORD OF   | F THE ABOVE D          | ES THAT, TO THE BEST OF HIS OR HER KNOWLEDG<br>ESCRIBED HOLE AND THAT HE OR SHE WILL FILE TO<br>DAYS AFTER COMPLETION OF WELL DRILLING:                      |                 |           |               |   |
| 1  | CORRECT RE |           | 1/1                    | John Norris  |                 | 8/9       | 9/24          |   |
| 1  | CORRECT RE | h         | Many                   | 20111 1 101113   |                 |           |               |   |
| I  | CORRECT RE | SIGNATI   | My URE OF DRILLER      | 7 PRINT SIGNEE NAME  |                 |           | DATE          |   |
| DR | CORRECT RE |           | Myny<br>URE OF DRILLEI | 7 PRINT SIGNEE NAME  | WR-20 WELL R    |           | LOG (Ve       | ersion 09/22/2022)                            |



**APPENDIX B** 

Photographic Log



### **Photographic Log**

New Wave Energy New Wave Lobo Frac Booster Lea County, New Mexico





Photograph: 1 Date: 2/18/2025

Description: Point of release

View: Southeast

Photograph: 2 Date: 5/12/2025

Description: Soil staining within release extent

View: West





Photograph: 3 Date: 5/2/2025

Description: Delineation activities

View: Northeast

Photograph: 4 Date: 5/2/2025

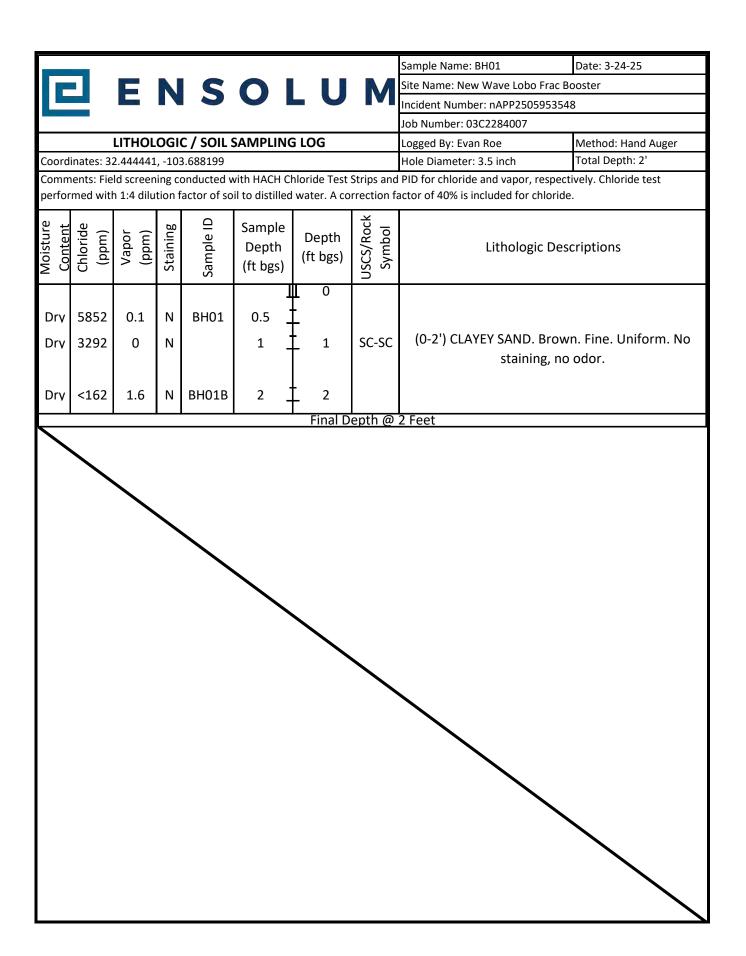
Description: Delineation activities

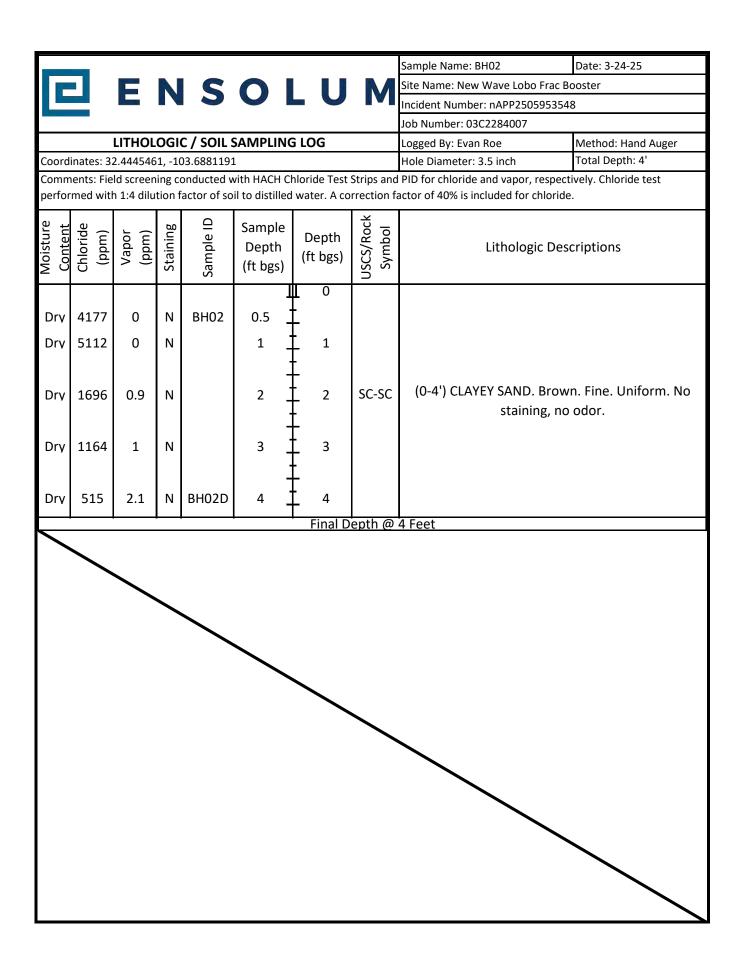
View: Southeast

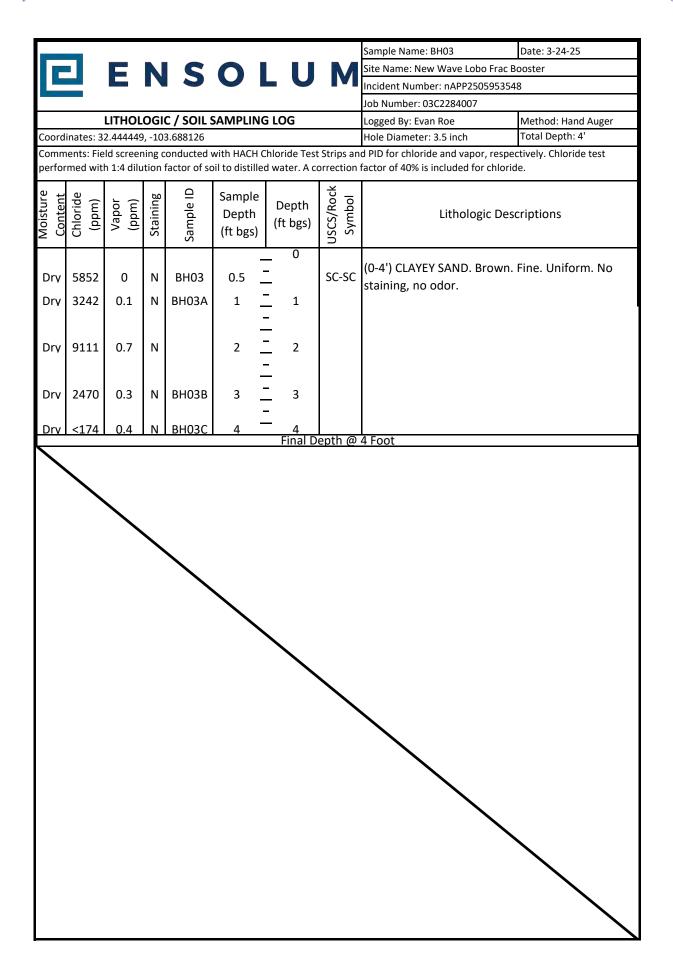


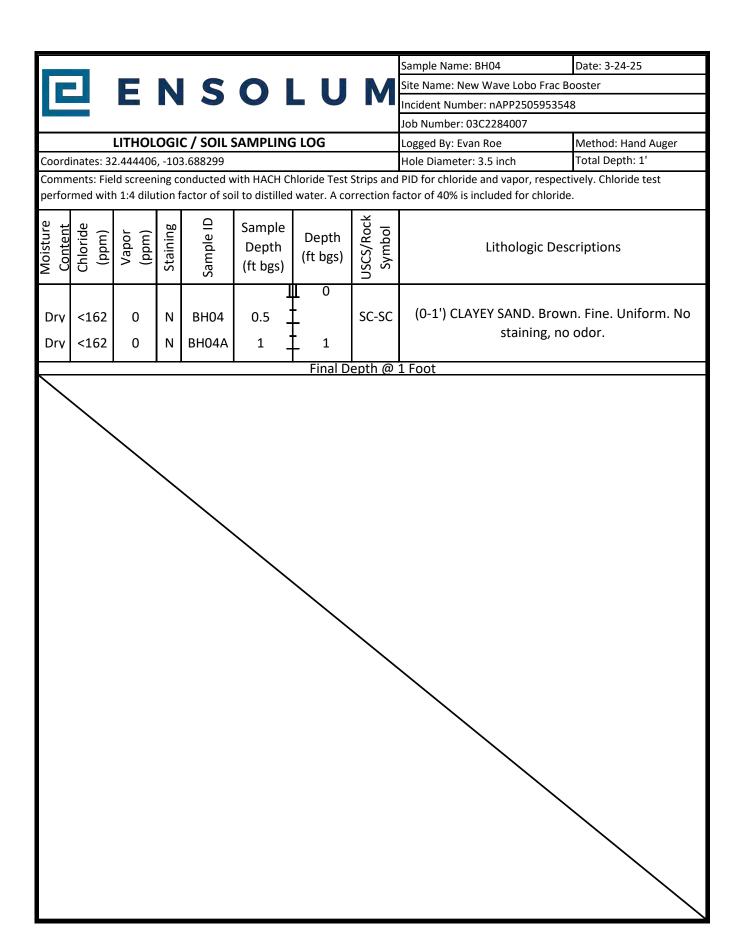
APPENDIX C

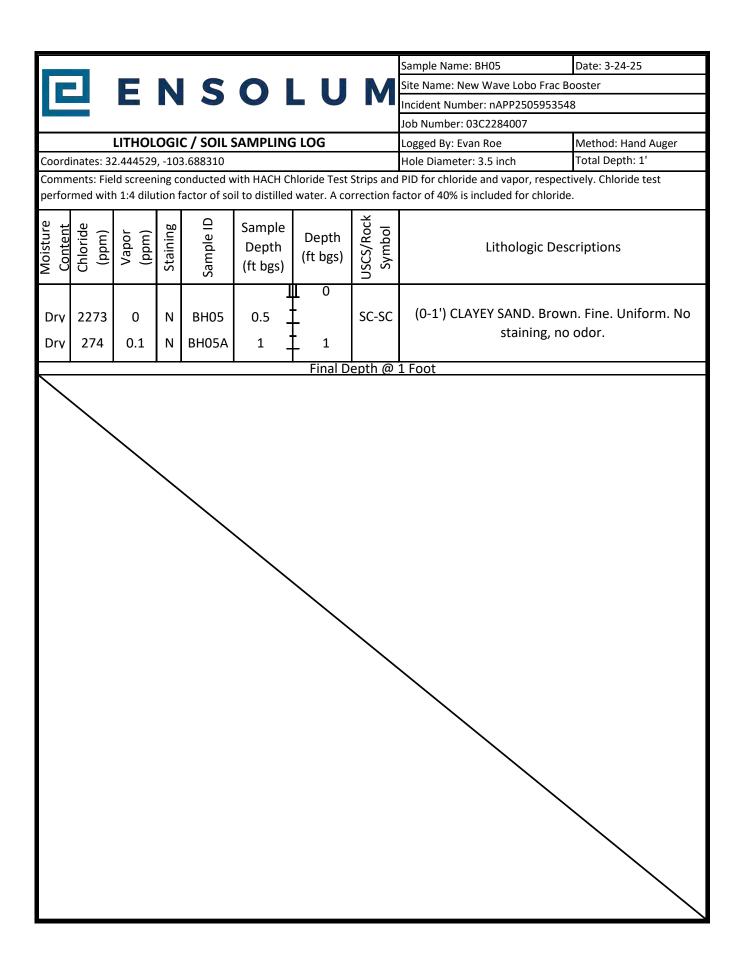
Lithologic Soil Sampling Logs

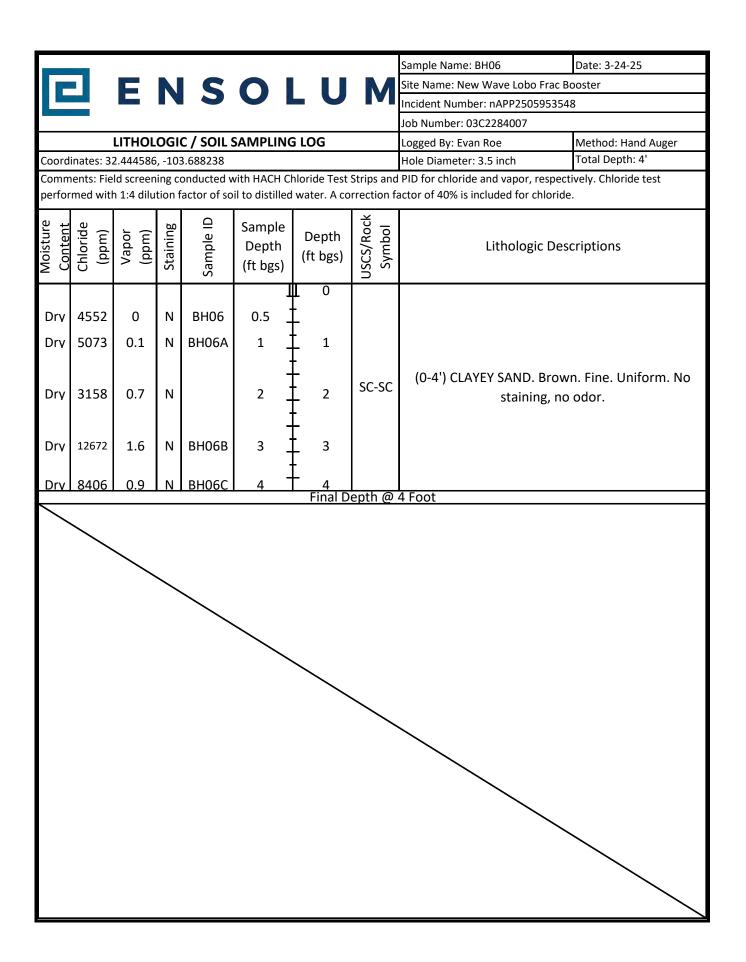


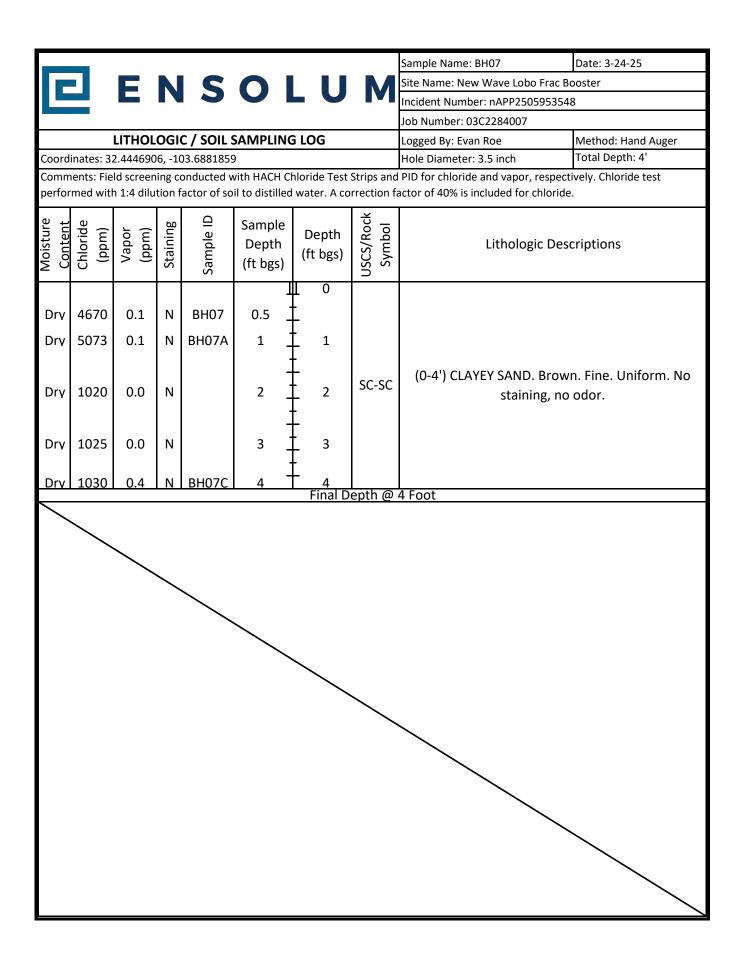


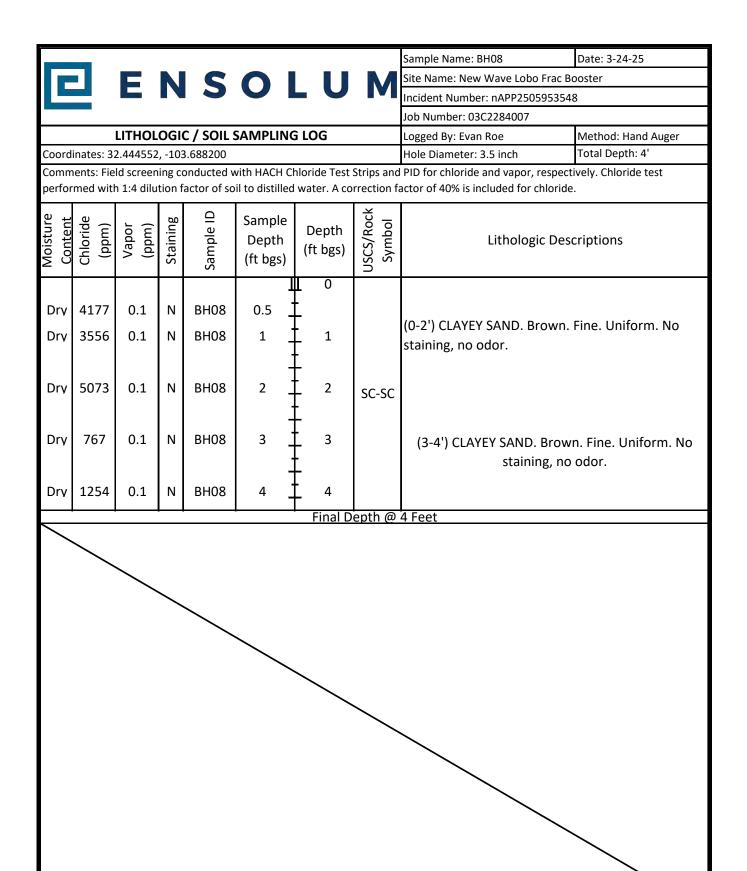














APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



April 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD LOBO

Enclosed are the results of analyses for samples received by the laboratory on 03/27/25 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celeg D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 01 .5' (H251811-01)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 | QM-07     |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 928    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 | QM-07     |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 98.3   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.3   | % 40.6-15       | 3          |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg & treens



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 01B 2' (H251811-02)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | 'kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | 'kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.6   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 88.2   | % 40.6-15       | 3          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Kreene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

### Sample ID: BH 02 .5' (H251811-03)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2920   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 95.7   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 92.0   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 02D 4' (H251811-04)

| BTEX 8021B                           | mg/    | /kg             | Analyzed By: JH |              |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025      | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025      | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyzed By: HM |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 560    | 16.0            | 03/28/2025      | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025      | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025      | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 98.1   | % 44.4-14       | 5               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.1   | % 40.6-15       | 3               |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 03 .5' (H251811-05)

| BTEX 8021B                           | mg      | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050  | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300  | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,     | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 864     | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0   | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 96.3    | % 44.4-14       | 25         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 91.5    | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |         |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Kreene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

 Received:
 03/27/2025
 Sampling Date:
 03/24/2025

 Reported:
 04/02/2025
 Sampling Type:
 Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 03A 1' (H251811-06)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3200   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.0   | % 44.4-14       | 25         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.5   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 04 .5' (H251811-07)

| BTEX 8021B                           | mg/    | kg              | Analyzed By: JH |              |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025      | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025      | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: HM |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0   | 16.0            | 03/28/2025      | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025      | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025      | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.4   | % 44.4-14       | 5               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.0   | % 40.6-15       | 3               |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

### Sample ID: BH 04A 1' (H251811-08)

BTEX 8021B

| DILX GOZID                           | iiig/  | , kg            | Allulyzo   | .u Dy. 311   |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 102    | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 96.0   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

### Sample ID: BH 05 .5' (H251811-09)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | а ву: ЈН     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1490   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.0   | % 44.4-14       | 25         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.5   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 05A 1' (H251811-10)

| BTEX 8021B                           | mg,    | /kg             | Analyzed By: JH |              |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025      | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025      | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025      | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: HM |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 160    | 16.0            | 03/28/2025      | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025      | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025      | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.1   | % 44.4-14       | 5               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.0   | % 40.6-15       | 3               |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



03/24/2025

### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date:

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 06 .5' (H251811-11)

| BTEX 8021B                           | mg      | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050  | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300  | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,     | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1260    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0   | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.4    | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.8    | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |         |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories

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

Celeg D. Kreens

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 06A 1' (H251811-12)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2760   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.7   | % 44.4-14       | 25         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.0   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg & treens



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 07 .5' (H251811-13)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 96.0   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.8   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 91.4   | % 40.6-15       | 3          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg & treens



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 07A 1' (H251811-14)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3560   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.6   | % 44.4-14       | 25         |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.2   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg & Keens



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Reported: 04/02/2025

03/2//2025 Sampling Date: 04/02/2025 Sampling Type:

Project Name: OLD LOBO
Project Number: 03C2284007

Project Location: NEW WAVE 32.444437-103.688210

Sampling Date: 03/24/2025 Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH 08 .5' (H251811-15)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 400    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 98.2   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.8   | % 40.6-15       | 3          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg & treens

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 08 1' (H251811-16)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1700   | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 97.5   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 91.9   | % 40.6-15       | 3          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

### Sample ID: BH 08 2' (H251811-17)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.20 | 110        | 2.00          | 4.09 |           |
| Toluene*                             | <0.050 | 0.050           | 03/30/2025 | ND           | 2.29 | 114        | 2.00          | 6.99 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/30/2025 | ND           | 2.48 | 124        | 2.00          | 7.89 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/30/2025 | ND           | 7.44 | 124        | 6.00          | 7.36 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/30/2025 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 256    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 87.9   | % 44.4-14       | 5          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.6   | % 40.6-15       | 3          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 08 3' (H251811-18)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/31/2025 | ND           | 1.80 | 89.9       | 2.00          | 0.147 |           |
| Toluene*                             | <0.050 | 0.050           | 03/31/2025 | ND           | 1.87 | 93.3       | 2.00          | 0.802 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/31/2025 | ND           | 1.88 | 93.8       | 2.00          | 1.12  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/31/2025 | ND           | 5.81 | 96.9       | 6.00          | 0.864 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/31/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 103    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 128    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.1   | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 86.5   | % 40.6-15       | 3          |              |      |            |               |       |           |

### Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date:

03/24/2025

Reported: 04/02/2025 Project Name:

Sampling Type:

Soil Cool & Intact

OLD LOBO Project Number: 03C2284007 Sampling Condition: Sample Received By:

Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 08 4' (H251811-19)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 03/31/2025 | ND           | 1.80 | 89.9       | 2.00          | 0.147 |           |
| Toluene*                             | <0.050 | 0.050           | 03/31/2025 | ND           | 1.87 | 93.3       | 2.00          | 0.802 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 03/31/2025 | ND           | 1.88 | 93.8       | 2.00          | 1.12  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 03/31/2025 | ND           | 5.81 | 96.9       | 6.00          | 0.864 |           |
| Total BTEX                           | <0.300 | 0.300           | 03/31/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyze    | d By: HM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 256    | 16.0            | 03/28/2025 | ND           | 416  | 104        | 400           | 0.00  |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/28/2025 | ND           | 220  | 110        | 200           | 2.45  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/28/2025 | ND           | 204  | 102        | 200           | 1.42  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/28/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 89.1   | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 83.7   | % 40.6-15       | 3          |              |      |            |               |       |           |

### Cardinal Laboratories

\*=Accredited Analyte

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

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Kreene

# 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

| Company Nam   | company Name: Ensolum, LLC   |  |  | BILL TO  |  | Δ                                     | ANALYSIS BEOLIEST   | TOT               |
|---|--|--|--|--|--|---------------------------------------|---|-------------------|
| Project Manage  | Project Manager: Jeremy Reich  |  |  |  |  |                                       | 100 175   | 1                 |
| Address: 601 N  | Address: 601 N Marienfeld Street, Suite 400  | uite 400   |  | Company: Ensolum LLC   | LLC  |                                       |   |                   |
| City: Midland   |  | State: TX  | Zip: 79701   | Attn: Jeremy Reich   |  | _                                     | _   |                   |
| Phone #: 43   | 432-296-0627   | Fax #:   |  | Address. 601 N Marienfeld Street, Suite 400  | Street, Suite 400  |                                       | _   |                   |
| Project #: 03   | 03C2284007   | Project Own  | Project Owner: New Wave  | City: Midland  |  |                                       |   |                   |
| Project Name: Old Lobo  | Old Lobo   |  |  | State: NM Zip: 79701   | 701  |                                       |   |                   |
| Project Location:   |  | 32.444437, -103.688210   | 8210   | #: 432-29  | 627  |                                       |   |                   |
| Sampler Name:   | Evan   |  |  | Fax #:   |  |                                       |   |                   |
| FOR LAB USE ONLY  |  |  | P. MATRIX  | PRESERV. SAN   | SAMPLING   |                                       |   |                   |
| Lab I.D.  | Sample I.D.  | Depth<br>(feet)  | G)RAB OR (C)OMI CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE  | OTHER: COL/COOL OTHER:   | TPH 8015   | Chloride 4500                         |   |                   |
| 1   | BHCI   | .5   |  | 3  | 1039   | 1                                     |   |                   |
| 10  | BHOLE  | +2   | G 1  | V 3-24-25  | 184  | < <                                   |   |                   |
| C   | BHO  | .51  | G 1 V  | √ 3-24-25  | 1055 1   |                                       |   |                   |
| 4   | BHOLD  | ++   | G 1  | V 3-24-25  | 19151  | < .                                   |   |                   |
| 4   | BHC3   | .51  | G 1 <  | ✓ 3-24-25  |  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |   |                   |
| 6   | BHC3A  | _  | G 1  | ✓ 3-24-25  | 1115   | <<br><                                |   |                   |
| 4   | BHOY   | :51  | G 1 V  | 3-24-25  | 120 1  | \                                     |   |                   |
| 00()  | BHC++  | _  | G 1 \  | 3-24-25  | 1124 /   | <.                                    |   |                   |
| 9   | BHUS   | .5   | G 1  | V 3-24-25  | 1777   |                                       |   |                   |
| PLEASE NOTE: Liability and  | 12   | 1  | G 1 V  | V 3-24-25  | ルルバ  | \ \ \ \                               |   |                   |
| analyses. All claims including service. In no event shall Ca affiliates or successors arising | including those for negligence and any other<br>hall Cardinal be liable for incidental or con-<br>ins arising out of or related to the performan | clents exclusive remedy for a cause whatsoever shall be sequential damages, includin ce of services hereunder by a | analyses. All claims including those for negligence and any other secousive remedy for any dam arising whether based in contract or fort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal within 30 days after completion of the applicable and the service of the servi | or tort, shall be limited to the amount pa<br>I received by Cardinal within 30 days after<br>loss of use, or loss of profits incurred by | id by the client for the<br>or completion of the applicable<br>client, its subsidiaries. |                                       |   |                   |
| Relinquished By:  | " A  | Date: 87.95  | Received By:   | MI   | Verbal Result: ☐ Ye<br>All Results are emailed.  | (0)                                   | □ No Add'I Phone #: Please provide Email address: : ireid | h@ensolum.com     |
| Relinquished By:  | 1110   | 1530   | BROWLINE   | Melaken  | BBelill@ensolum.com.   |                                       | TMorrissey@ensolum.com, THillard@ensolum.com              | @ensolum.com      |
|   |  | Time:  | Newerved by.   | -  | REMARKS:   |                                       |   |                   |
| Delivered By: (Circle One)  |  | Observed Tamp. "C  | <u></u>  | CH CH  | Turnaround Time:   | lard                                  | Bacteria (only) Sample Condition                          | mple Condition    |
| Sampler - UPS - Bus - Other   |  | Corrected Temp. "C   | Tyes Tyes  | (Initials)   | Thermometer ID #13   | D+-                                   | Cool Intact   | Observed Temp. °C |

# Laboratories 101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Ensolum, LLC Project Manager: Jeremy Reich Address: 601 N Marienfeld Street, Suite 400 City: Midland Phone #: 432-296-0627 Project #: 03C2284007 Project Name: Old Lobo   | insolum, LLC leremy Reich leremy Reich street, Suite 400 State: TX Zij 296-0627 Fax #: 2284007 Project Owner: N   | 3: 79701<br>lew Wave  | P.O. #: Company: Ensolum LLC Attn: Jeremy Reich Address Of N Mariemania Street State 40 City: Midland State: NM Zip: 79701  | 2 0 5   | um LLC<br>ch<br>skid Street. Suite 400 | ANALYSIS  Street State 400   |
|---|---|---|---|---|--|--|
| Project Location: 32.444 Sampler Name: EVan Roe   | 32.444437, -103.688210<br>Roe   |   | #: 432-29   | 27  |  |  |
| $\overline{}$   |   | MATRIX  | ESERV   | SAMPLING  |  |  |
| Lab I.D. Sample I.D.  | Depth<br>(feet)   | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE  | OTHER: ACID/BASE ICE / COOL TOTHER:   | TPH 8015  | BTEX 8021<br>Chloride 4500             |  |
| 12 BH 06 A  | <b>→</b> .5   |   | 3 3   | 1 1821  | ( (                                    |  |
| BHO   | Ċn '  | G 1 . <   | 3-24-25   | 1 2 5 ×   | <<                                     |  |
| BH  | 1   | G 1 V   | 3-24-25   | 1245/   | <<br><                                 |  |
| 15 BH 08  | 'n  | 9 1   | ✓ 3-24-25   | 1258 1  | <                                      |  |
| 17 BH 08  | 2   | 0 0   | 3-24-25   | 1361  | \ \<br>\ \                             |  |
| BH  | w   | G 1   | 3-24-25   | 1351  | <<                                     |  |
| 19 BH 0%  | 4   | 9 4   | V 3-24-25   | 100   | <,                                     |  |
| **CAME NOTE** calcing and Demograt Control's bodily and dent's action<br>marples. As alless successing these for hydrogenics and any size cause what<br>errors. At the come doub Control for looks for incidental or companyone displayed<br>finishes or vaccinations withing out of our values to the performance of services. | and district and development for any<br>more cause whether we will be de-<br>corpus districted for any and other<br>corpus districted for manager by Con- | data endig akatiye beed a pada<br>meet weeks urlam mada n esting<br>thou amdato, tuumaa dan gara<br>final legacilanis si akatine ayon dia | ord and the immediate or the property content by Condition at the property of | d partity on charties and<br>within conjugation of the applicable<br>day clark, its substances<br>of the charter on otherwise |  |  |
| Relinguished By:  | Date: 0 Date: Time:   | Received By:  | Mildetone   | Verbal Result: C) Ye Aff Results are emailed BBelli Bensolum.com. REMARKS:  |  | は 口 No (AddT Phone 家:<br>. Please provide Email address::: jreich@ensolum.com<br>TMorrissey優ersolum.com; THilliand@ensolum.com |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other:   | Comment Town 'C &   | Sample Condition Cool Infract Pes I Yes I Yes   | CHECKED BY:   | Turnaround Time: Thermometer ID # 13  | Standard<br>Rush<br>H 40               | Bacteria (only) Sample Condition Cool Intact Observed Temp. "C   |



May 06, 2025

JEREMY REICH ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MOC LOBO

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celeg D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

**ENSOLUM** JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 03 B 3' (H252660-01)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.96 | 97.9       | 2.00          | 10.3  | QM-07     |
| Toluene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/05/2025 | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/05/2025 | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.2   | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 1570   | 16.0            | 05/05/2025 | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 05/05/2025 | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 05/05/2025 | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.0   | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 88.0   | % 40.6-15       | 3          |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Kreene



### Analytical Results For:

ENSOLUM JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

### Sample ID: BH 03 C 4' (H252660-02)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 05/05/2025 | ND           | 1.96 | 97.9       | 2.00          | 10.3  |           |
| Toluene*                             | <0.050   | 0.050           | 05/05/2025 | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 05/05/2025 | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 05/05/2025 | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300   | 0.300           | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0     | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 272      | 16.0            | 05/05/2025 | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 05/05/2025 | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 05/05/2025 | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 82.2     | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 78.5     | % 40.6-15       | 3          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

### Sample ID: BH 06 B 3' (H252660-03)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 | ,            |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.96 | 97.9       | 2.00          | 10.3  |           |
| Toluene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/05/2025 | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/05/2025 | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 10000  | 16.0            | 05/05/2025 | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 05/05/2025 | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 05/05/2025 | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 84.5   | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 81.8   | % 40.6-15       | 3          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### Analytical Results For:

ENSOLUM JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

### Sample ID: BH 06 C 4' (H252660-04)

RTFY 8021R

| B1EX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/05/2025      | ND           | 1.96 | 97.9       | 2.00          | 10.3  |           |
| Toluene*                             | <0.050 | 0.050           | 05/05/2025      | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/05/2025      | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/05/2025      | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/05/2025      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 103    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg     | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 4000   | 16.0            | 05/05/2025      | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg     | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 05/05/2025      | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 05/05/2025      | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 05/05/2025      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 88.7   | % 44.4-14       | 5               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 85.3   | % 40.6-15       | 3               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NEW WAVE 32.444437-103.688210

### Sample ID: BH 07 B 3' (H252660-05)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/05/2025      | ND           | 1.96 | 97.9       | 2.00          | 10.3  |           |
| Toluene*                             | <0.050 | 0.050           | 05/05/2025      | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/05/2025      | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/05/2025      | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/05/2025      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0   | 16.0            | 05/05/2025      | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 05/05/2025      | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 05/05/2025      | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 05/05/2025      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.6   | % 44.4-14       | 5               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 84.0   | % 40.6-15       | 3               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM JEREMY REICH 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

### Sample ID: BH 07 C 4' (H252660-06)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::       |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.96 | 97.9       | 2.00          | 10.3  |           |
| Toluene*                             | <0.050 | 0.050           | 05/05/2025 | ND           | 1.98 | 98.9       | 2.00          | 8.53  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 05/05/2025 | ND           | 1.95 | 97.6       | 2.00          | 12.6  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 05/05/2025 | ND           | 6.03 | 101        | 6.00          | 15.7  |           |
| Total BTEX                           | <0.300 | 0.300           | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 05/05/2025 | ND           | 400  | 100        | 400           | 7.69  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 05/05/2025 | ND           | 190  | 95.1       | 200           | 1.18  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 05/05/2025 | ND           | 200  | 99.8       | 200           | 0.947 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 05/05/2025 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 86.4   | % 44.4-14       | 5          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 81.3   | % 40.6-15       | 3          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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

Celeg & Kreens



### **Notes and Definitions**

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

recovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By: (Circle One)   | Relinquished By:                                      | Relinquished By:   | PLEASE NOTE: Liability and Dam<br>analyses. All claims including thos<br>service. In no event shall Cardinal  |     |      | 50      | V-t            | =0     | 1     |                                       | Consider    | Lab I.D. S   | $\neg$   |               | on:         | me:         | Project #: 036174 007 | 32       | City: Carlsbad | Address: 3122 National Parks Hwy | Project Manager: J | Company Name: Ensolum, LLC | (5)                               |
|--|---|--|---|-----|------|---------|----------------|--------|-------|---------------------------------------|-------------|--|----------|---------------|-------------|-------------|-----------------------|----------|----------------|----------------------------------|--------------------|----------------------------|-----------------------------------|
| her:   |   | Out of to balance of the boundary  | reges. Cardinal's liability and of the for negligence and any other be liable for incidental or cons  |     | 0.10 | BYO'C   | 21000<br>21000 | A LOCA | SHOOL | SHOSIS                                | 3           | Sample I.D.  |          | Joshua Boxley | ,           | MOC Lobo    | 1007                  | 196 0627 |                | nal Parks Hwy                    | Jeremy Reich       | olum, LLC                  | (575) 393-2326 FAX (575) 393-2476 |
| Observed Temp. *C  | Date:   | Date: 5-25   | ient's exclusive remedy for an<br>r cause whatsoever shall be or<br>equental damages, including<br>to of services hereunder by C  |     |      | 7       | ~ -            | 4      | W-    | E U                                   | 3           | Depth<br>(feet)  |          |               | -103.688210 |             | Project Owner:        | Fax #:   | State: NM      |                                  |                    |                            | X (575) 393-247                   |
| Sample Condition Cool Intact Yes Yes Yes   | Received By:  | Received By:   | sedy for any claim arising whether based in contract or to<br>shall be deemed walved unless made in writing and reco<br>including without limitation, business interruptions, loss or<br>noter by Cardinal regardless of whether such claim is but  |     |      | 0 1     | 2              |        |       | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 4           | (G)RAB OR (C)OMP<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL | MATRIX   |               |             |             | New Wave              |          | Zip: 88220     |                                  |                    |                            | 6                                 |
| CHECKED BY:  |   | o Malde  | PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoewer shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applications. All claims including those for negligence and any other cause whatsoewer shall be deemed walved in what was made in writing and received by Cardinal within 30 days after completion of the application. In one went shall Cardinal be liable for incidental or consequented damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims. |     |      | 52.25 N | 2              |        |       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2           | SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:                                   | PRESERV. | 1             | Phone #:    | State: Zip: | City:                 | Address: | Arto:          | Company: Fres Lun                | P.O. #:            | BILL TO                    |                                   |
| Turnarou   | REMARKS:<br>Incident: 14<br>Cost Center:              | Verbal Result:<br>All Results are  | nt paid by the client for the safter completion of the d by client, its subsidiariated reasons or otherwise   |     |      |         | 1025           | 2560   | 956   |                                       | 1 1857      |  | SAMPLING |               |             | /           | JASS .                |          |                | 5                                |                    | 9                          |                                   |
| od Time: Stemdard  | REMARKS:<br>Incident: MAPP 2505953548<br>Cost Center: | Verbal Result: ☐ Yes ☐ No Add'I Phone #:<br>All Results are emailed. Please provide Email address: | able  |     |      | RAR     |                |        |       | 1                                     | X<br>X<br>X | Chlorides TPH BTEX   |          |               |             |             |                       |          |                |                                  |                    |                            |                                   |
| Bacteria (only Cool Intact Yes Yes No No   | 8   | Add'l Phone #:<br>ovide Email address:   |   |     |      |         |                |        |       |                                       |             |  |          |               |             |             |                       |          |                |                                  |                    | ANALYSIS REQUEST           |                                   |
| Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C |   |  |   | JAC |      |         |                |        |       |                                       |             |  |          |               |             |             |                       |          |                |                                  |                    | JEST                       | -                                 |

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Jeremy Reich Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 5/14/2025 3:38:46 PM

# **JOB DESCRIPTION**

MOC LOBO 03C2284007

# **JOB NUMBER**

890-8153-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

### **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**

Generated 5/14/2025 3:38:46 PM

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

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

,

4

5

6

8

9

12

13

14

Client: Ensolum
Project/Site: MOC LOBO
Laboratory Job ID: 890-8153-1
SDG: 03C2284007

# **Table of Contents**

| Cover Page             | 1  |
|------------------------|----|
| Table of Contents      | 3  |
| Definitions/Glossary   | 4  |
| Case Narrative         | 5  |
| Client Sample Results  | 6  |
| Surrogate Summary      | 10 |
| QC Sample Results      | 11 |
| QC Association Summary | 17 |
| Lab Chronicle          | 19 |
| Certification Summary  | 21 |
| Method Summary         | 22 |
| Sample Summary         | 23 |
| Chain of Custody       | 24 |
| Receipt Checklists     | 25 |

| 0 |  |
|---|--|
| O |  |
|   |  |
|   |  |

|  | v |  |
|--|---|--|
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |

### **Definitions/Glossary**

Job ID: 890-8153-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

### **Qualifiers**

| GC VOA    |   |
|-----------|---|
| Qualifier | Qualifier Description                                     |
| *_        | LCS and/or LCSD is outside acceptance limits, low biased. |

F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

### **GC Semi VOA**

| Qualifier | Qualifier Description  |
|-----------|--|
| В         | Compound was found in the blank and sample.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| 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**

**EDL** 

| Abbreviation    | These commonly used abbreviations may or may not be present in this report.                |
|-----------------|--|
| <b>\(\phi\)</b> | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R              | Percent Recovery   |
| CFL             | Contains Free Liquid   |
| CFU             | Colony Forming Unit  |
| CNF             | Contains No Free Liquid  |
| DER             | Duplicate Error Ratio (normalized absolute difference)                                     |
| Dil Fac         | Dilution Factor  |

DL

Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" MCL

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC MDL Method Detection Limit

MI Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

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

**PRES** Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

**TNTC** Too Numerous To Count

**Eurofins Carlsbad** 

#### Case Narrative

Client: Ensolum Job ID: 890-8153-1 Project: MOC LOBO

**Eurofins Carlsbad** Job ID: 890-8153-1

#### Job Narrative 890-8153-1

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
- 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 5/13/2025 4:14 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 2.4°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-8153-1), SS 02 (890-8153-2), SS 03 (890-8153-3), SS 04 (890-8153-4), SS 05 (890-8153-5) and SS 06 (890-8153-6).

#### **GC VOA**

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-110098 and analytical batch 880-110091 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110098 and analytical batch 880-110091 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110097 and analytical batch 880-110089 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.

#### **Diesel Range Organics**

Method 8015MOD\_NM: The method blank for preparation batch 880-110070 and analytical batch 880-110100 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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 880-110082 and analytical batch 880-110088 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.

Matrix: Solid

Lab Sample ID: 890-8153-1

# **Client Sample Results**

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 01

Date Collected: 05/12/25 14:35 Date Received: 05/13/25 16:14

Sample Depth: 0.5

| Method: SW846 8021B - Volati | •         | Qualifier | •        | MDI     | I Imit | _ | Duamanad       | Analysed       | Dil Faa |
|------------------------------|-----------|-----------|----------|---------|--------|---|----------------|----------------|---------|
| Analyte                      | Result    | Qualifier | RL       | MDL     | Unit   | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                      | < 0.00139 | U         | 0.00199  | 0.00139 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| Toluene                      | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| Ethylbenzene                 | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| m-Xylene & p-Xylene          | <0.00228  | U *-      | 0.00398  | 0.00228 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| o-Xylene                     | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| Xylenes, Total               | <0.00228  | U *-      | 0.00398  | 0.00228 | mg/Kg  |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |         |        |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 88        |           | 70 - 130 |         |        |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |
| 1,4-Difluorobenzene (Surr)   | 81        |           | 70 - 130 |         |        |   | 05/14/25 08:48 | 05/14/25 13:42 | 1       |

| Method: SW846 8015B NM - Dies           | sel Range Orga | nics (DRO | ) (GC)   |      |       |   |                |                |         |
|---|----------------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                 | Result         | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5          | U         | 49.8     | 14.5 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:33 | •       |
| Diesel Range Organics (Over<br>C10-C28) | <15.1          | U         | 49.8     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:33 | •       |
| Oil Range Organics (Over C28-C36)       | <15.1          | U         | 49.8     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:33 |         |
| Total TPH                               | <15.1          | U         | 49.8     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:33 |         |
| Surrogate                               | %Recovery      | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fa  |
| 1-Chlorooctane                          | 87             |           | 70 - 130 |      |       |   | 05/13/25 14:57 | 05/14/25 11:33 |         |

| Method: EPA 300.0 - Anions, Ion ( | Chromatography - Soluble |      |             |   |          |                |         |
|-----------------------------------|--------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier         | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 98.4                     | 10.0 | 0.396 mg/Kg |   |          | 05/14/25 11:34 | 1       |

70 - 130

86

Lab Sample ID: 890-8153-2 Client Sample ID: SS 02 Date Collected: 05/12/25 14:46

Date Received: 05/13/25 16:14

Sample Depth: 0.5

Gasoline Range Organics

(GRO)-C6-C10

o-Terphenyl

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00198  | 0.00138 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | 0.00198 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00198  | 0.00108 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| m-Xylene & p-Xylene         | <0.00226  | U *-      | 0.00396  | 0.00226 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| o-Xylene                    | < 0.00157 | U         | 0.00198  | 0.00157 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| Xylenes, Total              | <0.00226  | U *-      | 0.00396  | 0.00226 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:02 | 1       |

**Eurofins Carlsbad** 

05/14/25 11:49

50.0

14.5 mg/Kg

1

**Matrix: Solid** 

05/13/25 14:57

05/13/25 14:57

05/14/25 11:33

<14.5 U

Matrix: Solid

Lab Sample ID: 890-8153-2

Job ID: 890-8153-1

Client: Ensolum SDG: 03C2284007 Project/Site: MOC LOBO

Client Sample ID: SS 02

Date Collected: 05/12/25 14:46 Date Received: 05/13/25 16:14

Sample Depth: 0.5

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | 19.1      | J         | 50.0     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:49 | 1       |
| Total TPH                            | 19.1      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 11:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |      |       |   | 05/13/25 14:57 | 05/14/25 11:49 | 1       |
| o-Terphenyl                          | 80        |           | 70 - 130 |      |       |   | 05/13/25 14:57 | 05/14/25 11:49 | 1       |

| Method: EPA 300.0 - Anions, ion C | nromatograpny - Soluble |      |             |   |          |                |         |
|-----------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 481                     | 9.98 | 0.394 mg/Kg |   |          | 05/14/25 11:41 | 1       |
|                                   |                         |      |             |   |          |                |         |

Client Sample ID: SS 03 Lab Sample ID: 890-8153-3

Date Collected: 05/12/25 14:43 **Matrix: Solid** Date Received: 05/13/25 16:14

Sample Depth: 0.5

| Analyte                             | Result       | Qualifier  | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------------|--------------|------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                             | <0.00139     | U          | 0.00199  | 0.00139 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| Toluene                             | < 0.00199    | U          | 0.00199  | 0.00199 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| Ethylbenzene                        | <0.00108     | U          | 0.00199  | 0.00108 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| m-Xylene & p-Xylene                 | <0.00228     | U *-       | 0.00398  | 0.00228 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| o-Xylene                            | < 0.00158    | U          | 0.00199  | 0.00158 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| Xylenes, Total                      | <0.00228     | U *-       | 0.00398  | 0.00228 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| Surrogate                           | %Recovery    | Qualifier  | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)         | 84           |            | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| 1,4-Difluorobenzene (Surr)          | 76           |            | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:23 | 1       |
| -<br>Method: SW846 8015B NM - Diese | I Range Orga | nics (DRO) | (GC)     |         |       |   |                |                |         |
| Analyte                             | Result       | Qualifier  | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics             | <14.5        | U          | 49.9     | 14.5    | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:06 | 1       |
| (GRO)-C6-C10                        |              |            |          |         |       |   |                |                |         |
| Diesel Range Organics (Over         | <15.1        | U          | 49.9     | 15.1    | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:06 | 1       |
| C10-C28)                            |              |            |          |         |       |   |                |                |         |
| Oil Range Organics (Over C28-C36)   | <15.1        | U          | 49.9     | 15.1    | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:06 | 1       |
| Total TPH                           | <15.1        | U          | 49.9     | 15.1    | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:06 | 1       |
|                                     |              |            |          |         |       |   |                |                |         |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 9.96 0.393 mg/Kg 05/14/25 11:48 110

70 - 130

70 - 130

85

81

**Eurofins Carlsbad** 

05/14/25 12:06

05/14/25 12:06

05/13/25 14:57

05/13/25 14:57

1-Chlorooctane

o-Terphenyl

Matrix: Solid

Lab Sample ID: 890-8153-4

# **Client Sample Results**

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 04

Date Collected: 05/12/25 14:41 Date Received: 05/13/25 16:14

Sample Depth: 0.5

| Method: SW846 8021B - Volat | ile Organic Comp | ounds (GC | )        |         |       |   |                |                |         |
|-----------------------------|------------------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                     | Result           | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                     | <0.00138         | U         | 0.00198  | 0.00138 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| Toluene                     | <0.00198         | U         | 0.00198  | 0.00198 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| Ethylbenzene                | <0.00108         | U         | 0.00198  | 0.00108 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| m-Xylene & p-Xylene         | <0.00226         | U *-      | 0.00396  | 0.00226 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| o-Xylene                    | < 0.00157        | U         | 0.00198  | 0.00157 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| Xylenes, Total              | <0.00226         | U *-      | 0.00396  | 0.00226 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| Surrogate                   | %Recovery        | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91               |           | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83               |           | 70 - 130 |         |       |   | 05/14/25 08:48 | 05/14/25 14:43 | 1       |

| Method: SW846 8015B NM - Dies            | el Range Orga | nics (DRO) | ) (GC)   |      |        |   |                |                |         |
|--|---------------|------------|----------|------|--------|---|----------------|----------------|---------|
| Analyte                                  | Result        | Qualifier  | RL       | MDL  | Unit   | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics                  | <14.5         | U          | 50.1     | 14.5 | mg/Kg  |   | 05/13/25 14:57 | 05/14/25 12:22 | 1       |
| (GRO)-C6-C10 Diesel Range Organics (Over | <15.1         | П          | 50.1     | 15.1 | mg/Kg  |   | 05/13/25 14:57 | 05/14/25 12:22 | 1       |
| C10-C28)                                 | <b>~10.1</b>  | O          | 30.1     | 10.1 | mg/rtg |   | 00/10/20 14.07 | 00/14/20 12.22 | '       |
| Oil Range Organics (Over C28-C36)        | <15.1         | U          | 50.1     | 15.1 | mg/Kg  |   | 05/13/25 14:57 | 05/14/25 12:22 | 1       |
| Total TPH                                | <15.1         | U          | 50.1     | 15.1 | mg/Kg  |   | 05/13/25 14:57 | 05/14/25 12:22 | 1       |
| Surrogate                                | %Recovery     | Qualifier  | Limits   |      |        |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                           | 84            |            | 70 - 130 |      |        |   | 05/13/25 14:57 | 05/14/25 12:22 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatograp | hy - Soluble |      |       |       |   |          |                |         |
|-----------------------------------|-------------|--------------|------|-------|-------|---|----------|----------------|---------|
| Analyte                           | Result      | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 245         | F1           | 10.1 | 0.399 | mg/Kg |   |          | 05/14/25 11:55 | 1       |

70 - 130

80

<14.6 U

**Client Sample ID: SS 05** Lab Sample ID: 890-8153-5 Date Collected: 05/12/25 14:39 **Matrix: Solid** 

Date Received: 05/13/25 16:14

Sample Depth: 0.5

Gasoline Range Organics (GRO)-C6-C10

o-Terphenyl

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |         |       |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |         |       |   | 05/14/25 08:43 | 05/14/25 13:35 | 1       |

**Eurofins Carlsbad** 

50.2

14.6 mg/Kg

Job ID: 890-8153-1 SDG: 03C2284007

Client: Ensolum Project/Site: MOC LOBO

Lab Sample ID: 890-8153-5

Date Collected: 05/12/25 14:39 Date Received: 05/13/25 16:14

**Matrix: Solid** 

Sample Depth: 0.5

Client Sample ID: SS 05

| Analyte                           | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over       | <15.2     | U         | 50.2     | 15.2 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:39 | 1       |
| C10-C28)                          |           |           |          |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.2     | U         | 50.2     | 15.2 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:39 | 1       |
| Total TPH                         | <15.2     | U         | 50.2     | 15.2 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 12:39 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 83        |           | 70 - 130 |      |       |   | 05/13/25 14:57 | 05/14/25 12:39 | 1       |
| o-Terphenyl                       | 81        |           | 70 - 130 |      |       |   | 05/13/25 14:57 | 05/14/25 12:39 | 1       |

| Method: EPA 300.0 - Anions, ion Chromatography - Soluble |                  |      |           |     |          |                |         |
|--|------------------|------|-----------|-----|----------|----------------|---------|
| Analyte  | Result Qualifier | RL   | MDL Unit  | t D | Prepared | Analyzed       | Dil Fac |
| Chloride   | 311              | 9.96 | 0.393 mg/ | Kg  |          | 05/14/25 12:16 | 1       |
|  |                  |      |           |     |          |                |         |

Lab Sample ID: 890-8153-6 Client Sample ID: SS 06

**Matrix: Solid** 

Date Collected: 05/12/25 14:37 Date Received: 05/13/25 16:14

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00138 U 0.00198 0.00138 mg/Kg 05/14/25 08:43 05/14/25 13:55 0.00198 mg/Kg Toluene <0.00198 U 0.00198 05/14/25 08:43 05/14/25 13:55 Ethylbenzene <0.00108 U 0.00198 0.00108 mg/Kg 05/14/25 08:43 05/14/25 13:55 m-Xylene & p-Xylene <0.00226 U 0.00396 0.00226 mg/Kg 05/14/25 08:43 05/14/25 13:55 o-Xylene <0.00157 U 0.00198 0.00157 mg/Kg 05/14/25 08:43 05/14/25 13:55 0.00396 Xylenes, Total <0.00226 U 0.00226 mg/Kg 05/14/25 08:43 05/14/25 13:55

| Surrogate                   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93                  | 70 - 130 | 05/14/25 08:43 | 05/14/25 13:55 | 1       |
| 1.4-Difluorobenzene (Surr)  | 82                  | 70 - 130 | 05/14/25 08:43 | 05/14/25 13:55 | 1       |

| Analyte                          |               | Qualifier    | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|---------------|--------------|----------|-----|------|---|----------------|----------------|---------|
| Method. 344040 0013D MM - Dieser | italige Organ |              | ,00,     |     |      |   |                |                |         |
| Method: SW846 8015B NM - Diesel  | Range Organ   | nics (DRO) ( | (GC)     |     |      |   |                |                |         |
| 1,4-Difluorobenzene (Surr)       | 82            |              | 70 - 130 |     |      |   | 05/14/25 08:43 | 05/14/25 13:55 | 1       |
|                                  |               |              |          |     |      |   |                |                |         |

(GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 49.8 15.1 mg/Kg 05/13/25 14:57 05/14/25 12:55 C10-C28) Oil Range Organics (Over C28-C36) <15.1 U 49.8 15.1 mg/Kg 05/13/25 14:57 05/14/25 12:55 Total TPH <15.1 U 49.8 15.1 mg/Kg 05/13/25 14:57 05/14/25 12:55

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 82        |           | 70 - 130 | 05/13/25 14:57 | 05/14/25 12:55 | 1       |
| o-Terphenyl    | 79        |           | 70 - 130 | 05/13/25 14:57 | 05/14/25 12:55 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |          |                  |      |             |   |          |                |         |
|--|----------|------------------|------|-------------|---|----------|----------------|---------|
|  | Analyte  | Result Qualifier | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
|  | Chloride | 152              | 9.98 | 0.394 mg/Kg |   |          | 05/14/25 12:23 | 1       |

# **Surrogate Summary**

Job ID: 890-8153-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

|                      |                        |          |          | Percent Surrogate Recovery (Acceptance Limits) |
|----------------------|------------------------|----------|----------|--|
|                      |                        | BFB1     | DFBZ1    |  |
| Lab Sample ID        | Client Sample ID       | (70-130) | (70-130) |  |
| 880-58044-A-39-D MS  | Matrix Spike           | 103      | 86       |  |
| 880-58044-A-39-E MSD | Matrix Spike Duplicate | 103      | 90       |  |
| 880-58044-A-45-D MS  | Matrix Spike           | 78       | 88       |  |
| 880-58044-A-45-E MSD | Matrix Spike Duplicate | 75       | 91       |  |
| 890-8153-1           | SS 01                  | 88       | 81       |  |
| 890-8153-2           | SS 02                  | 90       | 80       |  |
| 890-8153-3           | SS 03                  | 84       | 76       |  |
| 890-8153-4           | SS 04                  | 91       | 83       |  |
| 890-8153-5           | SS 05                  | 92       | 81       |  |
| 890-8153-6           | SS 06                  | 93       | 82       |  |
| LCS 880-110097/1-A   | Lab Control Sample     | 105      | 97       |  |
| LCS 880-110098/1-A   | Lab Control Sample     | 80       | 79       |  |
| LCSD 880-110097/2-A  | Lab Control Sample Dup | 95       | 86       |  |
| LCSD 880-110098/2-A  | Lab Control Sample Dup | 76       | 73       |  |
| MB 880-110097/5-A    | Method Blank           | 88       | 94       |  |
| MB 880-110098/5-A    | Method Blank           | 56 S1-   | 85       |  |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

|                      |                        |          |          | Percent Surrogate Recovery (Acceptance Limits) |
|----------------------|------------------------|----------|----------|--|
|                      |                        | 1CO1     | OTPH1    |  |
| Lab Sample ID        | Client Sample ID       | (70-130) | (70-130) |  |
| 880-58051-A-19-C MS  | Matrix Spike           | 88       | 91       |  |
| 880-58051-A-19-D MSD | Matrix Spike Duplicate | 87       | 93       |  |
| 890-8153-1           | SS 01                  | 87       | 86       |  |
| 890-8153-2           | SS 02                  | 82       | 80       |  |
| 890-8153-3           | SS 03                  | 85       | 81       |  |
| 890-8153-4           | SS 04                  | 84       | 80       |  |
| 890-8153-5           | SS 05                  | 83       | 81       |  |
| 890-8153-6           | SS 06                  | 82       | 79       |  |
| LCS 880-110070/2-A   | Lab Control Sample     | 120      | 106      |  |
| LCSD 880-110070/3-A  | Lab Control Sample Dup | 103      | 108      |  |
| MB 880-110070/1-A    | Method Blank           | 81       | 84       |  |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110097/5-A

**Matrix: Solid** 

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110097 MB MB

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
|                     |          |           |         |         |       |   |                |                |         |

MB MB

| Surrogate                   | %Recovery Quali | lifier Limits | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|---------------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88              | 70 - 130      | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94              | 70 - 130      | 05/14/25 08:43 | 05/14/25 11:10 | 1       |

Lab Sample ID: LCS 880-110097/1-A

**Matrix: Solid** 

**Analysis Batch: 110089** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 110097** 

|                     | Spike | LCS     | LCS       |       |   |      | %Rec     |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene             | 0.100 | 0.08382 |           | mg/Kg |   | 84   | 70 - 130 |  |
| Toluene             | 0.100 | 0.08415 |           | mg/Kg |   | 84   | 70 - 130 |  |
| Ethylbenzene        | 0.100 | 0.09934 |           | mg/Kg |   | 99   | 70 - 130 |  |
| m-Xylene & p-Xylene | 0.200 | 0.1874  |           | mg/Kg |   | 94   | 70 - 130 |  |
| o-Xylene            | 0.100 | 0.09126 |           | mg/Kg |   | 91   | 70 - 130 |  |
|                     |       |         |           |       |   |      |          |  |

LCS LCS

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |

Lab Sample ID: LCSD 880-110097/2-A

**Matrix: Solid** 

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 110097

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit 0.07108 Benzene 0.100 mg/Kg 71 70 - 130 16 35 Toluene 0.100 0.07363 mg/Kg 74 70 - 130 13 35 Ethylbenzene 0.100 0.09242 mg/Kg 92 70 - 130 7 35 m-Xylene & p-Xylene 0.200 0.1685 mg/Kg 84 70 - 130 11 35 0.100 0.08147 o-Xylene mg/Kg 70 - 130 11 35

LCSD LCSD

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |
| 1.4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |

Lab Sample ID: 880-58044-A-39-D MS

**Matrix: Solid** 

Analysis Batch: 110089

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

Prep Batch: 110097

Sample Sample Spike MS MS %Rec Result Qualifier Result Qualifier Analyte Added Unit %Rec Limits <0.00139 U F1 0.100 0.06939 F1 69 70 - 130 Benzene mg/Kg Toluene <0.00200 UF1 0.100 0.06815 F1 mg/Kg 68 70 - 130

## **QC Sample Results**

Client: Ensolum Job ID: 890-8153-1 SDG: 03C2284007 Project/Site: MOC LOBO

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

Lab Sample ID: 880-58044-A-39-D MS

**Matrix: Solid** 

Analysis Batch: 110089

Client Sample ID: Matrix Spike

**Prep Type: Total/NA** 

Prep Batch: 110097

|                     | Sample   | Sample    | эріке | IVIO    | IVIS      |       |   |      | %Rec     |  |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Ethylbenzene        | <0.00109 | U         | 0.100 | 0.07474 |           | mg/Kg |   | 75   | 70 - 130 |  |
| m-Xylene & p-Xylene | <0.00228 | U F1      | 0.200 | 0.1371  | F1        | mg/Kg |   | 69   | 70 - 130 |  |
| o-Xylene            | <0.00158 | U F1      | 0.100 | 0.06842 | F1        | mg/Kg |   | 68   | 70 - 130 |  |

MS MS

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |

**Client Sample ID: Matrix Spike Duplicate** 

Prep Type: Total/NA

**Prep Batch: 110097** 

Lab Sample ID: 880-58044-A-39-E MSD **Matrix: Solid** 

Analysis Batch: 110089

|                     | Sample   | Sample    | Spike | MSD     | MSD       |       |   |      | %Rec     |     | RPD   |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Benzene             | <0.00139 | U F1      | 0.100 | 0.07594 |           | mg/Kg |   | 76   | 70 - 130 | 9   | 35    |
| Toluene             | <0.00200 | U F1      | 0.100 | 0.07347 |           | mg/Kg |   | 73   | 70 - 130 | 8   | 35    |
| Ethylbenzene        | <0.00109 | U         | 0.100 | 0.07802 |           | mg/Kg |   | 78   | 70 - 130 | 4   | 35    |
| m-Xylene & p-Xylene | <0.00228 | U F1      | 0.200 | 0.1458  |           | mg/Kg |   | 73   | 70 - 130 | 6   | 35    |
| o-Xylene            | <0.00158 | U F1      | 0.100 | 0.07370 |           | mg/Kg |   | 74   | 70 - 130 | 7   | 35    |
|                     |          |           |       |         |           |       |   |      |          |     |       |

MSD MSD

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

Lab Sample ID: MB 880-110098/5-A

**Matrix: Solid** 

Analysis Batch: 110091

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110098

| MB | MB |
|----|----|
|    |    |

| Analyte             | Result    | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| Toluene             | <0.00200  | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| Ethylbenzene        | < 0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| o-Xylene            | < 0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| Xylenes, Total      | <0.00229  | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1       |

MB MB

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 56        | S1-       | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:17 | 1       |

Lab Sample ID: LCS 880-110098/1-A

Matrix: Solid

Analysis Batch: 110091

| Client Sample | ID: | Lab | Control | Sample    |
|---------------|-----|-----|---------|-----------|
|               |     | D   |         | F-4-1/NIA |

Prep Type: Total/NA Prep Batch: 110098

|                     | Spike | LCS     | LCS       |       |   |      | %Rec     |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene             | 0.100 | 0.07457 |           | mg/Kg |   | 75   | 70 - 130 |  |
| Toluene             | 0.100 | 0.07088 |           | mg/Kg |   | 71   | 70 - 130 |  |
| Ethylbenzene        | 0.100 | 0.07184 |           | mg/Kg |   | 72   | 70 - 130 |  |
| m-Xylene & p-Xylene | 0.200 | 0.1383  | *_        | mg/Kg |   | 69   | 70 - 130 |  |

## QC Sample Results

Job ID: 890-8153-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: LCS 880-110098/1-A **Matrix: Solid** 

Analysis Batch: 110091

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 110098

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0.07159 72 70 - 130 o-Xylene mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 80 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 79

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 110098

**Matrix: Solid** Analysis Batch: 110091

Lab Sample ID: LCSD 880-110098/2-A

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit %Rec Limits D Benzene 0.100 0.07418 mg/Kg 74 70 - 130 Toluene 0.100 0.07085 mg/Kg 71 70 - 130 0 Ethylbenzene 0.100 0.07077 mg/Kg 71 70 - 130

m-Xylene & p-Xylene 0.200 0.1370 mg/Kg 69 70 - 130 0.100 0.07139 71 70 - 130 o-Xylene mg/Kg LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 76 70 - 130 1,4-Difluorobenzene (Surr) 73 70 - 130

Lab Sample ID: 880-58044-A-45-D MS Client Sample ID: Matrix Spike **Matrix: Solid** 

Analysis Batch: 110091

Prep Batch: 110098 MS MS Sample Sample Spike %Rec Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits Benzene <0.00139 U 0.100 0.08339 83 70 - 130 mg/Kg Toluene <0.00200 U 0.100 0.07640 76 70 - 130 mg/Kg Ethylbenzene <0.00109 U 0.100 0.07943 mg/Kg 79 70 - 130 m-Xylene & p-Xylene <0.00228 U \*-0.200 0.1553 mg/Kg 78 70 - 130

0.07990

mg/Kg

0.100

MS MS %Recovery Surrogate Qualifier Limits 4-Bromofluorobenzene (Surr) 78 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 88

<0.00158 U

Lab Sample ID: 880-58044-A-45-E MSD

**Matrix: Solid** Analysis Ratch: 110091

o-Xylene

Client Sample ID: Matrix Spike Duplicate

70 - 130

80

Prep Type: Total/NA Pron Batch: 110098

| Analysis batch, 110091 |          |           |       |         |           |       |   |      | Prepi    | Daten. 1 | 10030 |
|------------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|----------|-------|
|                        | Sample   | Sample    | Spike | MSD     | MSD       |       |   |      | %Rec     |          | RPD   |
| Analyte                | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD      | Limit |
| Benzene                | <0.00139 | U         | 0.100 | 0.08435 |           | mg/Kg |   | 84   | 70 - 130 | 1        | 35    |
| Toluene                | <0.00200 | U         | 0.100 | 0.07558 |           | mg/Kg |   | 76   | 70 - 130 | 1        | 35    |
| Ethylbenzene           | <0.00109 | U         | 0.100 | 0.07823 |           | mg/Kg |   | 78   | 70 - 130 | 2        | 35    |
| m-Xylene & p-Xylene    | <0.00228 | U *-      | 0.200 | 0.1533  |           | mg/Kg |   | 77   | 70 - 130 | 1        | 35    |
| o-Xylene               | <0.00158 | U         | 0.100 | 0.07923 |           | mg/Kg |   | 79   | 70 - 130 | 1        | 35    |
|                        |          |           |       |         |           |       |   |      |          |          |       |

**Eurofins Carlsbad** 

RPD

Limit

35

35

35

35

35

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 880-58044-A-45-E MSD

**Matrix: Solid** 

Analysis Batch: 110091

**Client Sample ID: Matrix Spike Duplicate** 

Prep Type: Total/NA

**Prep Batch: 110098** 

MSD MSD

| Surrogate                   | %Recovery Qualifier | Limits   |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 75                  | 70 _ 130 |
| 1,4-Difluorobenzene (Surr)  | 91                  | 70 - 130 |

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

Lab Sample ID: MB 880-110070/1-A

**Matrix: Solid** 

Analysis Batch: 110100

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110070

|                                   | IND    | MID       |      |      |       |   |                |                |         |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics           | 19.50  | J         | 50.0 | 14.5 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 06:57 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 06:57 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 06:57 | 1       |
| Total TPH                         | 19.50  | J         | 50.0 | 15.1 | mg/Kg |   | 05/13/25 14:57 | 05/14/25 06:57 | 1       |
|                                   |        |           |      |      |       |   |                |                |         |

мв мв

| Surrogate      | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|---------------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 81                  | 70 - 130 | 05/13/25 14:57 | 05/14/25 06:57 | 1       |
| o-Terphenyl    | 84                  | 70 - 130 | 05/13/25 14:57 | 05/14/25 06:57 | 1       |

Lab Sample ID: LCS 880-110070/2-A

**Matrix: Solid** 

**Analysis Batch: 110100** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 110070

|                             | Spike | LCS    | LCS       |       |   |      | %Rec     |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |
| Gasoline Range Organics     | 1000  | 862.4  |           | mg/Kg |   | 86   | 70 - 130 |
| (GRO)-C6-C10                |       |        |           |       |   |      |          |
| Diesel Range Organics (Over | 1000  | 841.1  |           | mg/Kg |   | 84   | 70 - 130 |
|                             |       |        |           |       |   |      |          |

C10-C28)

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 120       |           | 70 - 130 |
| o-Terphenyl    | 106       |           | 70 - 130 |

Lab Sample ID: LCSD 880-110070/3-A

**Matrix: Solid** 

**Analysis Batch: 110100** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110070

|                             | Spike | LCSD   | LCSD           |            |      | %Rec     |     | RPD   |  |
|-----------------------------|-------|--------|----------------|------------|------|----------|-----|-------|--|
| Analyte                     | Added | Result | Qualifier Unit | : <b>D</b> | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics     | 1000  | 842.1  | mg/l           | Kg         | 84   | 70 - 130 | 2   | 20    |  |
| (GRO)-C6-C10                |       |        |                |            |      |          |     |       |  |
| Diesel Range Organics (Over | 1000  | 907.2  | mg/l           | Kg         | 91   | 70 - 130 | 8   | 20    |  |
| 040,000)                    |       |        |                |            |      |          |     |       |  |

C10-C28)

LCSD LCSD

| Surrogate      | %Recovery | Qualifier | Limits   |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 103       |           | 70 - 130 |
| o-Terphenyl    | 108       |           | 70 - 130 |

Job ID: 890-8153-1

Client: Ensolum Project/Site: MOC LOBO

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

SDG: 03C2284007

Lab Sample ID: 880-58051-A-19-C MS **Matrix: Solid** 

**Analysis Batch: 110100** 

Client Sample ID: Matrix Spike

Prep Type: Total/NA **Prep Batch: 110070** 

|   | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |  |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                                 | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U         | 1000  | 747.8  |           | mg/Kg |   | 75   | 70 - 130 |  |
| Diesel Range Organics (Over<br>C10-C28) | <15.1  | U         | 1000  | 795.8  |           | mg/Kg |   | 79   | 70 - 130 |  |

MS MS Limits Surrogate %Recovery Qualifier 1-Chlorooctane 70 - 130 88 o-Terphenyl 91 70 - 130

Lab Sample ID: 880-58051-A-19-D MSD

**Matrix: Solid** 

**Analysis Batch: 110100** 

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 110070

Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 Gasoline Range Organics <14.5 U 732.1 mg/Kg 73 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 1000 805.0 mg/Kg 80 70 - 130 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 87 70 - 130 93 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110082/1-A

**Matrix: Solid** 

Analysis Batch: 110088

Client Sample ID: Method Blank

**Prep Type: Soluble** 

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <0.395 10.0 0.395 mg/Kg 05/14/25 09:55

Lab Sample ID: LCS 880-110082/2-A **Matrix: Solid** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Soluble** 

**Analysis Batch: 110088** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 252.0 101 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-110082/3-A

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 110088** 

|          | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Chloride | 250   | 251.0  |           | mg/Kg |   | 100  | 90 - 110 | 0   | 20    |  |

# **QC Sample Results**

Spike

Added

253

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO

90 - 110

112

SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Sample Sample

245 F1

Result Qualifier

Lab Sample ID: 890-8153-4 MS

**Matrix: Solid** 

Analyte

Chloride

**Analysis Batch: 110088** 

| Client Sample ID: SS 04 |
|-------------------------|
| Prep Type: Soluble      |

%Rec Limits %Rec

Lab Sample ID: 890-8153-4 MSD

**Matrix: Solid** 

Analysis Batch: 110088

| Client Sample ID: SS 04 |
|-------------------------|
| Prep Type: Soluble      |

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec 253 Chloride 245 F1 527.7 F1 mg/Kg 112 90 - 110 0 20

MS MS

528.7 F1

Result Qualifier

Unit

mg/Kg

# **QC Association Summary**

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

## **GC VOA**

#### Analysis Batch: 110089

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-8153-5           | SS 05                  | Total/NA  | Solid  | 8021B  | 110097     |
| 890-8153-6           | SS 06                  | Total/NA  | Solid  | 8021B  | 110097     |
| MB 880-110097/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 110097     |
| LCS 880-110097/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110097     |
| LCSD 880-110097/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-A-39-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-A-39-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 110097     |

#### **Analysis Batch: 110091**

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-8153-1           | SS 01                  | Total/NA  | Solid  | 8021B  | 110098     |
| 890-8153-2           | SS 02                  | Total/NA  | Solid  | 8021B  | 110098     |
| 890-8153-3           | SS 03                  | Total/NA  | Solid  | 8021B  | 110098     |
| 890-8153-4           | SS 04                  | Total/NA  | Solid  | 8021B  | 110098     |
| MB 880-110098/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 110098     |
| LCS 880-110098/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110098     |
| LCSD 880-110098/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-A-45-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-A-45-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 110098     |

#### Prep Batch: 110097

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-8153-5           | SS 05                  | Total/NA  | Solid  | 5035   |            |
| 890-8153-6           | SS 06                  | Total/NA  | Solid  | 5035   |            |
| MB 880-110097/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110097/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110097/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-A-39-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-58044-A-39-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

#### Prep Batch: 110098

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batcl |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-8153-1           | SS 01                  | Total/NA  | Solid  | 5035   |            |
| 890-8153-2           | SS 02                  | Total/NA  | Solid  | 5035   |            |
| 890-8153-3           | SS 03                  | Total/NA  | Solid  | 5035   |            |
| 890-8153-4           | SS 04                  | Total/NA  | Solid  | 5035   |            |
| MB 880-110098/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110098/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110098/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-A-45-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-58044-A-45-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

#### **GC Semi VOA**

## Prep Batch: 110070

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-8153-1    | SS 01            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8153-2    | SS 02            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8153-3    | SS 03            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8153-4    | SS 04            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8153-5    | SS 05            | Total/NA  | Solid  | 8015NM Prep |            |

**Eurofins Carlsbad** 

3

4

6

Ω

9

4 4

12

13

14

# **QC Association Summary**

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

# GC Semi VOA (Continued)

## Prep Batch: 110070 (Continued)

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-8153-6           | SS 06                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110070/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110070/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110070/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58051-A-19-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58051-A-19-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

#### Analysis Batch: 110100

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-8153-1           | SS 01                  | Total/NA  | Solid  | 8015B NM | 110070     |
| 890-8153-2           | SS 02                  | Total/NA  | Solid  | 8015B NM | 110070     |
| 890-8153-3           | SS 03                  | Total/NA  | Solid  | 8015B NM | 110070     |
| 890-8153-4           | SS 04                  | Total/NA  | Solid  | 8015B NM | 110070     |
| 890-8153-5           | SS 05                  | Total/NA  | Solid  | 8015B NM | 110070     |
| 890-8153-6           | SS 06                  | Total/NA  | Solid  | 8015B NM | 110070     |
| MB 880-110070/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 110070     |
| LCS 880-110070/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110070     |
| LCSD 880-110070/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110070     |
| 880-58051-A-19-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110070     |
| 880-58051-A-19-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110070     |

#### **HPLC/IC**

#### Leach Batch: 110082

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8153-1          | SS 01                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-2          | SS 02                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-3          | SS 03                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-4          | SS 04                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-5          | SS 05                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-6          | SS 06                  | Soluble   | Solid  | DI Leach |            |
| MB 880-110082/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110082/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110082/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8153-4 MS       | SS 04                  | Soluble   | Solid  | DI Leach |            |
| 890-8153-4 MSD      | SS 04                  | Soluble   | Solid  | DI Leach |            |

#### Analysis Batch: 110088

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8153-1          | SS 01                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-2          | SS 02                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-3          | SS 03                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-4          | SS 04                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-5          | SS 05                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-6          | SS 06                  | Soluble   | Solid  | 300.0  | 110082     |
| MB 880-110082/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110082     |
| LCS 880-110082/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110082     |
| LCSD 880-110082/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-4 MS       | SS 04                  | Soluble   | Solid  | 300.0  | 110082     |
| 890-8153-4 MSD      | SS 04                  | Soluble   | Solid  | 300.0  | 110082     |

**Eurofins Carlsbad** 

3

4

6

8

4.6

13

14

Job ID: 890-8153-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 01 Lab Sample ID: 890-8153-1 Date Collected: 05/12/25 14:35 Matrix: Solid Date Received: 05/13/25 16:14

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.02 g  | 5 mL   | 110098 | 05/14/25 08:48 | MNR     | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110091 | 05/14/25 13:42 | MNR     | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110070 | 05/13/25 14:57 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110100 | 05/14/25 11:33 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.99 g  | 50 mL  | 110082 | 05/14/25 07:53 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110088 | 05/14/25 11:34 | CH      | EET MID |

Client Sample ID: SS 02 Lab Sample ID: 890-8153-2 Date Collected: 05/12/25 14:46 **Matrix: Solid** Date Received: 05/13/25 16:14

| _         | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110098 | 05/14/25 08:48 | MNR     | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110091 | 05/14/25 14:02 | MNR     | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110070 | 05/13/25 14:57 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110100 | 05/14/25 11:49 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.01 g  | 50 mL  | 110082 | 05/14/25 07:53 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110088 | 05/14/25 11:41 | CH      | EET MID |

Client Sample ID: SS 03 Lab Sample ID: 890-8153-3 Date Collected: 05/12/25 14:43 **Matrix: Solid** 

Date Received: 05/13/25 16:14

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.02 g  | 5 mL   | 110098 | 05/14/25 08:48 | MNR     | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110091 | 05/14/25 14:23 | MNR     | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.03 g | 10 mL  | 110070 | 05/13/25 14:57 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110100 | 05/14/25 12:06 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110082 | 05/14/25 07:53 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110088 | 05/14/25 11:48 | CH      | EET MID |

Lab Sample ID: 890-8153-4 Client Sample ID: SS 04 Date Collected: 05/12/25 14:41 **Matrix: Solid** 

Date Received: 05/13/25 16:14

| _         | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110098 | 05/14/25 08:48 | MNR     | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110091 | 05/14/25 14:43 | MNR     | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 9.99 g  | 10 mL  | 110070 | 05/13/25 14:57 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110100 | 05/14/25 12:22 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.95 g  | 50 mL  | 110082 | 05/14/25 07:53 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      | 0 mL    | 1.0 mL | 110088 | 05/14/25 11:55 | CH      | EET MID |

#### Lab Chronicle

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 05

Date Collected: 05/12/25 14:39 Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-5

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 110097 MNR Total/NA Prep 4.98 g 5 mL 05/14/25 08:43 **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 110089 05/14/25 13:35 MNR **EET MID** Total/NA Prep 8015NM Prep 9.96 g 10 mL 110070 05/13/25 14:57 FC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 110100 05/14/25 12:39 TKC EET MID Soluble Leach DI Leach 5.02 g 50 mL 110082 05/14/25 07:53 SA EET MID Soluble Analysis 300.0 1 110088 05/14/25 12:16 СН EET MID

Client Sample ID: SS 06

Date Collected: 05/12/25 14:37 Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-6

**Matrix: Solid** 

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110097 | 05/14/25 08:43 | MNR     | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110089 | 05/14/25 13:55 | MNR     | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110070 | 05/13/25 14:57 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110100 | 05/14/25 12:55 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.01 g  | 50 mL  | 110082 | 05/14/25 07:53 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110088 | 05/14/25 12:23 | CH      | EET MID |

Laboratory References:

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

Released to Imaging: 9/10/2025 3:33:37 PM

# **Accreditation/Certification Summary**

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

**Laboratory: Eurofins Midland** 

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

| Authority              | Progra   | am                                      | Identification Number                              | Expiration Date     |
|------------------------|--|---|--|---------------------|
| Texas                  | NELAF  | )                                       | T104704400   | 06-30-25            |
|                        |  |   |  |                     |
|                        |  |   |  |                     |
| The following analytes | are included in this report, bu                              | t the laboratory is not certif          | fied by the governing authority. This lis          | t may include analy |
| ,                      |  | t the laboratory is not certif          | fied by the governing authority. This lis          | t may include analy |
| ,                      | are included in this report, bu oes not offer certification. | t the laboratory is not certif          | fied by the governing authority. This lis          | t may include analy |
| ,                      |  | t the laboratory is not certi<br>Matrix | fied by the governing authority. This lis  Analyte | t may include analy |

1

\_\_\_\_\_\_

6

8

10

40

13

14

## **Method Summary**

Client: Ensolum Job ID: 890-8153-1 SDG: 03C2284007 Project/Site: MOC LOBO

Method **Method Description** Protocol Laboratory Volatile Organic Compounds (GC) SW846 EET MID Diesel Range Organics (DRO) (GC) SW846 EET MID Anions, Ion Chromatography EPA **EET MID** 

8021B 8015B NM 300.0 5035 Closed System Purge and Trap SW846 EET MID 8015NM Prep Microextraction SW846 EET MID DI Leach **Deionized Water Leaching Procedure** ASTM **EET MID** 

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

#### Laboratory References:

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

SS 06

# **Sample Summary**

Client: Ensolum

890-8153-6

Project/Site: MOC LOBO

Job ID: 890-8153-1 SDG: 03C2284007

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-8153-1    | SS 01            | Solid  | 05/12/25 14:35 | 05/13/25 16:14 | 0.5   |
| 890-8153-2    | SS 02            | Solid  | 05/12/25 14:46 | 05/13/25 16:14 | 0.5   |
| 890-8153-3    | SS 03            | Solid  | 05/12/25 14:43 | 05/13/25 16:14 | 0.5   |
| 890-8153-4    | SS 04            | Solid  | 05/12/25 14:41 | 05/13/25 16:14 | 0.5   |
| 890-8153-5    | SS 05            | Solid  | 05/12/25 14:39 | 05/13/25 16:14 | 0.5   |

Solid

Л

\_\_\_

7

8

9

44

12

13

14

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8153-1 SDG Number: 03C2284007

Login Number: 8153 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8153-1

SDG Number: 03C2284007

Login Number: 8153 **List Source: Eurofins Midland** List Number: 2 List Creation: 05/14/25 07:50 AM

Creator: Laing, Edmundo

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

Released to Imaging: 9/10/2025 3:33:37 PM

<6mm (1/4").



**APPENDIX B** 

Photographic Log



## Photographic Log **Mewbourne Oil Company**

New Wave Lobo Frac Booster Lea County, New Mexico





Photograph: 1 Date: 5/13/2025

Description: Excavation activities in the vicinity of FS26, FS27, FS23, FS24

View: East

Date: 5/19/2025 Photograph: 2

Excavation activities in the vicinity of Description:

FS18, FS20, FS21

View: North

© 249°W (T) LAT: 32.444731 LON: -103.688159 ±6ft ▲ 3700ft



O 162°S (T) LAT: 32.444606 LON: -103.688345 ±6ft ▲ 3701ft



Photograph: 3 Date: 5/20/2025

Excavation activities in the vicinity of Description:

SW04, FS39, FS40, FS41, FS48

Southwest View:

Date: 5/20/2025 Photograph: 4

Excavation activities in the vicinity of SW02, Description:

SW05, FS04 - FS08, FS10 - FS30

View: Southeast

# ENSOLUM

#### **Photographic Log**

Mewbourne Oil Company New Wave Lobo Frac Booster Lea County, New Mexico

O 293°NW (T) LAT: 32.444478 LON: -103.688037 ±6ft ▲ 3698ft



O 358°N (T) LAT: 32.444284 LON: -103.688243 ±6ft ▲ 3693ft



Photograph: 5 Date: 5/27/2025

Excavation activities in the vicinity of Description: SW01, FS01 - FS03, FS13, FS14, FS09

View: West

Photograph: 6 Date: 5/27/2025

Excavation activities in the vicinity of Description: SW07, FS04 - FS08, FS15 - FS20

View: North

282°W (T) LAT: 32.444700 LON: -103.688090 ±13ft ▲ 3700ft



990°E (T) LAT: 32.444624 LON: -103.688344 ±13ft ▲ 3698ft



Photograph: 7 Date: 5/28/2025

Excavation activities in the vicinity of Description:

SW02, FS33, FS38 - FS41

West View:

Photograph: 8 Date: 5/28/2025

Excavation activities in the vicinity of SW03, Description:

FS34, FS37, FS36, FS13

East View:



APPENDIX C

**Waste Manifests** 



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Compan | y Man | Contact | Information |
|--------|-------|---------|-------------|
| Name_  | 500   | 10 m    | la IKE      |

Phone No.

| Pa  | GE   | NERATOR  | NO. HW-754  | 412                                       |
|---|--|--|---|---|
| Generator Name  | medil Company  | Location of Origin Lease/Well Name & No.   | ABC LOOP  | C/O /                                     |
| Address   |  | County API No. Big Name & No.  | 0-025-27779<br>F DATE 250595  | 3544                                      |
| City, State, Zip Phone No.  |  | _ AFE/PO No  |   |   |
| Oil Based Muds  | MPT E&P Waste/Service Identification and Am<br>NON-INJECTABLE WATERS   | iount (place volume next to waste  | type in barrels or cubic yards)  OTHER EXEMPT E&P WASTE STREAMS   |   |
| Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms | Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Note that the control of the control | n-injectable)  | Bolly Du My   |   |
| E&P Contaminated Soil Gas Plant Waste   | Truck Washout (exempt waste)   | YES NO   | QUANTITY TOP SOIL   | CALICHE                                   |
| WASTE GENERATION PROCESS:   | ☐ DRILLING ☐ COMPLETIO   | N PRODUCTION   | GATHERING LINES   |   |
| All non-<br>Non-Exempt Other  | NON-EXEMPT E&P Was<br>exempt E&P waste must be analysed and be below   |  | nitability, Corrosivity ado Reactivity, rom Non-Exempt Waste List on back   | njero)                                    |
| DISPOSAL QUANTITY   | B - BARRELS  | L-LIQUID 2.D   |   | EACH                                      |
| packaged, and is in proper condition for transcription.  RCRA EXEMPT:  RCRA NON-EXEMPT:         | rial(s), is (are) not hazardous waste as defined by 40 ansportation according to applicable regulation.  Oil field wastes generated from oil and gas explora per load basis only)  Oil field waste which is non-hazardous that does not 40 CFR 261,21-261,24, or listed hazardous waste as waste as non-hazardous is attached. (Check the app MSDS Information   | ot exceed the minimum standards for a<br>s defined by 40 CFR, part 261, subpart<br>propriate items as provided)<br>ICRA Hazardous Waste Analysis<br>has been ordered by the Department o | not mixed with non-exempt waste (R360 Acceptions) waste hazardous by characteristics established D, as amended. The following documentation d  Other (Provide Descriptions) | in RCRA regulations,<br>lemonstrating the |
| (PRINT) AUTHORIZED AC   | SENTS SIGNATURE  | DATE   | SIGNATURE   |   |
| Transporter's Name Address Phone No. Transporter Ticket #                                       | Tex Mex TRA  | Driver's Name Print Name Phone No. Truck No.   | Rinc Garas  |   |
| I hereby certify that the above named mat   | erial(s) was/were picked up at the Generator's site  | listed above and delivered without inc   | ident to the disposal facility listed below   |   |
| TRUCK TIME STAI   | DRIVER'S SIGNATURE  MP  DISPO  | SAL FACILITY   | RECEIVING AREA Name/No.   |   |
| ddress 6601 Hobbs Hwy   | ility / NM1-006<br>US 62 / 180 Mile Marker 66 Carlsbad, NM 88220   | Phone No   | -392-6368   |   |
| NORM READINGS PASS THE PAINT FILTE  |  | and the second second  | micro roentgents? (Circle One) YES  | NO  |
| st Guage Feet Ond Guage Seceived  | Inches   | Tota   | Free Water<br>al Received   |   |
| Phereby certify that the above load material NAME (PRINT)                                       | White - R360 ORIGINAL Yellow-TRANSPOR  | mu   | signature  SIGNATURE  TE COPY GOID- RETURN TO GENERATOR   |   |

Company Man Contact Information Name Stree Work

| IVHIONMENTAL SOLUTIONS   | PLEASE  | E PRINT) *REQUIRE  | P  | hone No   |
|--|---|--|--|---|
|  | GENE  | RATOR  | NO.  | W-764415  |
| Generator Manifest #   | 1 Company   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.   | 3 1/27 1   | 7 For 001<br>507<br>7779  |
| Phone No.  |   | AFE/PO No.   |  |   |
| EXEMPT E&P Waste   | /Service Identification and Amount  | place volume next to waste   | type in barrels or cubic yar   | rds)  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms                         | NON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY  |  | OTHER EXEMPT E&P WAS   | Dung  |
| E&P Contaminated Soil Gas Plant Waste  | Truck Washout (exempt waste)  | YES NO   | QUANTITY   | TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS: DRILLIN  |   | PRODUCTION   | ☐ GATHERIN   |   |
|  |   | ervice Identification and Amount   | de la companya de la |   |
| Non-Exempt Other   | termos de manys edena de delowi mes   | THE RESERVE THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.   | rom Non-Exempt Waste Lis   |   |
| DISPOSAL QUANTITY  | B - BARRELS   | L-LIQUID & C   | Y - YARDS  | E - EACH  |
| Thereby certify that the above listed material(s), is (are) not  |   |  |  |   |
| per load basis on Oil field waste will 40 CFR 261.21-26 waste as non-haz MSOS Informatio EMERGENCY NON-OILFIELD EMERGENCY NON-OILFIELD | hich is non-hazardous that does not exce<br>11.24, or listed hazardous waste as defin-<br>tardous is attached. (Check the appropria<br>n RCRA H-<br>azardous, non-oilfield waste that has be<br>d a description of the waste must accom | eed the minimum standards for<br>ed by 40 CFR, part 261, subpart<br>ate items as provided)<br>fazardous Waste Analysis<br>en ordered by the Department o<br>pany this form)  | waste hazardous by characteri<br>D, as amended. The following<br>Other (<br>of Public Safety (the order, docu  | stics established in RCRA regulations,<br>documentation demonstrating the<br>Provide Description Below) |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  | 0/  | The state of the s | SIGNATURE  |   |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/were                   | K   | PORTER  Driver's Name Print Name Phone No. Truck No. above and delivered without inc   | 106  | sted below.   |
| SHIPMENT DATE DE   | IIVER'S SIGNATURE   | DELIVERY DATE  | _ /b _ nu  | VER'S SIGNATURE   |
| TRUCK TIME STAMP IN:OUT:   |   | FACILITY   | A CONTRACTOR OF THE PERSON NAMED IN  | NG AREA   |
| Halfway Facility / NM1-00 Address Halfway Facility / NM1-00 6601 Hobbs Hwy US 62 / 180 Mile  | Marker 66 Carlsbad, NM 88220  | 7.0000.000   | -392-6368  |   |
| NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle   |   | If YES, was reading > 50   | micro roentgents? (Circle O  | Ine) YES NO   |
| Feet St Guage And Guage Seceived   | Inches  | BS&W/BBL   | ree Water<br>Il Received   | BS&W (%)  |
| Thereby certify that the above load material has been (circle NAME (PRINT)   | one): ACCEPTED  | DENIED II deni   | ed, why?   | SIGNATURE   |

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Company Man Contact Information |
|---------------------------------|
| Name Manuel Company             |

| Name  |    | _ |
|-------|----|---|
| Phone | No |   |

| Lat. 4   |   | GENE  | RATOR   | N   | 0. HW-7727   | 10                               |
|--|---|---|---|---|--|----------------------------------|
| Generator Manifest #   | DUNIONE ON C  | South L   | Location of Origin  | 11100   |  | of the second                    |
| Generator Name   |   |   | Name & No.  | 4001  | 2-64Bing 291   | 90/2001                          |
| Address  |   |   | County<br>API No  | 40-026  | 27279  |                                  |
| City, State, Zip   |   |   | Rig Name & No<br>AFE/PO No  | 1031 72 E   | 11400 118  |                                  |
| Phone No. EXE  | MPT E&P Waste/Service Id  | entification and Amount (   |   | e type in barrels or cu   | bic yards)   |                                  |
| Oil Based Muds Oil Based Cuttings  | NON-INJE  | CTABLE WATERS   |   | OTHER EXEMPT E&   |  |                                  |
| Water Based Muds Water Based Cuttings  | Completion  | Vater (Non-Injectable)<br>n Fluid/Flow Back (Non-Injec  | table)  |   |  |                                  |
| Produced Formation Solids Tank Bottoms   | Gathering I   | Vater (Non-Injectable)<br>Line Water/Waste (Non-Inje  | ctable)   |   |  |                                  |
| E&P Contaminated Soil Gas Plant Waste  | INTERNAL<br>Truck Wast  | USE ONLY<br>hout (exempt waste)   | YES NO  | OUANTITY  | THE RESERVE OF THE PERSON NAMED IN COLUMN 1  | CALICHE                          |
| WASTE GENERATION PROCESS:  | ☐ DRILLING  | COMPLETION  | ☐ PRODUCTION  | 2500.0034.44  | THERING LINES  | OFFICIAL                         |
|  | N   | ON-EXEMPT E&P Waste/Se  | rvice Identification and Amoun  | n a l   | observation and the  |                                  |
| Non-Exempt Other   | n-exempt E&P waste must be a  | nalysed and be below thres  |   | gnitability, Corrosivity as<br>from Non-Exempt Wa   | And the state of t |                                  |
| DISPOSAL QUANTITY  | B - BARF  | RELS  | L-LIQUID 20   | Y - YARDS   | E - EAC  | -                                |
| RCRA EXEMPT:  RCRA NON-EXEMPT:   | Oil field wastes generated fro<br>per load basis only) Oil field waste which is non-h<br>40 CFR 261.21-261.24, or liste<br>waste as non-hazardous is att<br>MSDS Information  | azardous that does not exce<br>ad hazardous waste as defin<br>tached. (Check the appropria                        | ed the minimum standards for<br>ed by 40 CFR, part 261, subpar  | waste hazardous by ch<br>t D, as amended. The fo  | aracteristics established in RC  | RA regulations,<br>estrating the |
| ☐ EMERGENCY NON-OILFIELD   | Emergency non-hazardous, no   | n-oilfield waste that has be  | en ordered by the Department  |   |  | 100000                           |
| ■ EMERGENCY NON-OILFIELD   | Emergency non-hazardous, no determination and a description   | on of the waste must accom  | en ordered by the Department<br>apany this form)  | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED A   | determination and a description   | on of the waste must accom  | en ordered by the Department<br>spany this form)  | of Public Safety (the ord   |  | 100000                           |
| (PRINT) AUTHORIZED A   | determination and a description   | on of the waste must accom  | en ordered by the Department spany this form) NE PORTER   | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address   | determination and a description   | on of the waste must accom  | en ordered by the Department openy this form)  NE  PORTER  Driver's Name Print Name   | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| (PRINT) AUTHORIZED A Transporter's Name Address Phone No.  | determination and a description   | on of the waste must accom  | PORTER  Driver's Name Phone No.   | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket #  | determination and a description   | ON OF the waste must accome  OA  TRANSI   | PORTER  Driver's Name Print Name Phone No. Truck No.  | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No.   | determination and a description   | TRANS   | PORTER  Driver's Name Print Name Phone No. Truck No.  | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma   | determination and a description GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  | TRANSI  The Generator's site listed a   | PORTER  Driver's Name Print Name Phone No. Truck No. above and delivered without in   | of Public Safety (the ordered signal for the disposal for RE  | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named mass of the state of the st | determination and a description GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  | TRANSI  The Generator's site listed a   | PORTER  Driver's Name Phone No. Truck No.  DELIVERY DATE  | of Public Safety (the ord   | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma SHIPMENT DATE TRUCK TIME STA IN: OUT:  Ite Name/ Bermit No.  Halfway Fac  | determination and a description GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  | TRANSI  The Generator's site listed a  URE  DISPOSAL  | PORTER  Driver's Name Phone No. Truck No.  above and delivered without in   | of Public Safety (the ordered signal for the disposal for RE  | der, documentation of non-haz  | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma SHIPMENT DATE  TRUCK TIME STA IN: OUT:  Ite Name/ Rermit No. Address Address Address Address Address  OF PRINT) AUTHORIZED A  Halfway Factoria (PRINT) AUTHORIZED A  Address  OUT: Address Address  Address  TRUCK TIME STA IN: OUT: Address  Address  Address  Address   | determination and a description GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  MP  Cility / NM1-006 US 62 / 180 Mile Marker 66 C TAKEN? (Circle One)  YE                                     | TRANSI  TRANSI  TRANSI  The Generator's site listed a  URE  DISPOSAL  Sarisbad, NM 88220  ES NO                   | PORTER  Driver's Name Print Name Phone No. Truck No. above and delivered without in   | cident to the disposal fa   | nature  DRIVER'S SIGNATURE  CEIVING AREA   | 100000                           |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma SHIPMENT DATE TRUCK TIME STA IN: OUT: Ite Name/ Permit No. Address Halfway Fac 6601 Hobbs Hwy NORM READINGS PASS THE PAINT FILTE  | determination and a description  GENTS SIGNATURE  terial(s) was/were picked up at  ORIVER'S SIGNATURE  MP  Cility / NM1-006  US 62 / 180 Mile Marker 66 C  TAKEN? (Circle One) YE  ER TEST? (Circle One) YE         | TRANSI  TRANSI  TRANSI  The Generator's site listed a  UNE  DISPOSAL  Sarisbad, NM 88220  ES NO  TANK BO  TANK BO | PORTER  Driver's Name Print Name Phone No. Truck No.  above and delivered without in  DELIVERY DATE  Phone No.  578                                     | cident to the disposal fa   | nature  DRIVER'S SIGNATURE  CEIVING AREA   | ardous waste                     |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma SHIPMENT DATE TRUCK TIME STA IN: OUT:  Ite Name/ Sermit No. Address Address NORM READINGS   | determination and a description GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  MP  Cility / NM1-006 US 62 / 180 Mile Marker 66 C TAKEN? (Circle One)  YE                                     | TRANSI  TRANSI  TRANSI  The Generator's site listed a  UNE  DISPOSAL  Sarisbad, NM 88220  ES NO  TANK BO  TANK BO | PORTER  Driver's Name Print Name Phone No. Truck No. above and delivered without in  DELIVERY DATE  FACILITY  Phone No.  If YES, was reading > 50  TOMS | cident to the disposal fa   | nature  DRIVER'S SIGNATURE  CEIVING AREA   | ardous waste                     |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named ma SHIPMENT DATE TRUCK TIME STA IN: OUT: Ite Name/ Permit No. Address Halfway Fac 6601 Hobbs Hwy NORM READINGS PASS THE PAINT FILTE  Tell Guage Ind Guage  | determination and a description  GENTS SIGNATURE  terial(s) was/were picked up at  DRIVER'S SIGNATURE  MP  Cility / NM1-006  US 62 / 180 Mile Marker 66 C  TAKEN? (Circle One) YE  ER TEST? (Circle One) YE  Inches | TRANSI  TRANSI  TRANSI  The Generator's site listed a  URE  DISPOSAL  Sarisbad, NM 88220  S NO S NO TANK BO S     | PORTER  Driver's Name Print Name Phone No. Truck No.  BELIVERY DATE  FACILITY  Phone No.  If YES, was reading > 50  TOMS  BS&W/BB                       | cident to the disposal facility (the order to the order to | NATURE  Incility listed below.  DRIVER'S SIGNATURE  CEIVING AREA  Circle One) YES  | ardous waste                     |

Company Man Contact Information

| S INVIRIANCHIAL CONTROL   | (PLEA  | SE PRINT) *REQUIF  | RED INFORMATION* Phone No.   |
|---|--|--|--|
| Page  | GENI   | RATOR  | No. HW-771010  |
| Generator Manifest # NEW WAVE LANGE Address   | 6507/01  | Location of Origin<br>Lease/Well<br>Name & No.<br>County   | Mnc<br>Loba  |
| City, State, Zip Phone No.  |  | API No. Rig Name & No. AFE/PO No.  | 20-025-2115<br>2930 2930 00 T<br>18111 2505 65 261 S   |
| Oil Based Muds Oil Based Cuttings   | Service Identification and Amoun<br>NON-INJECTABLE WATERS<br>Washout Water (Non-Injectable)  |  | other exempt eap waste streams  Other exempt eap waste streams   |
| Produced Formation Solids Tank Bottoms  | Completion Fluid/Flow Back (Non-Inj<br>Produced Water (Non-Injectable)<br>Gathering Line Water/Waste (Non-In<br>INTERNAL USE ONLY  | The state of the s | TOP SOIL & CALIGHE SALES   |
| E&P Contaminated Soil Gas Plant Waste   | Truck Washout (exempt waste)   | YES NO   | QUANTITY TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS: DRILLING  | COMPLETION   | PRODUCTIO  | N GATHERING LINES  |
| All non-exempt E&P waste<br>Non-Exempt Other  | NON-EXEMPT E&P Waste/s<br>must be analysed and be below three  |  | int<br>Ignitability, Corrosivity adn Reactivity,<br>t from <b>Non-Exempt Waste List</b> on back  |
| DISPOSAL QUANTITY   | B - BARRELS  | L-LIQUID RU  | Y-YARDS E-EACH   |
| 40 CFR 261.21-261 waste as non-haza MSDS Information EMERGENCY NON-OILFIELD Emergency non-haz                           | ch is non-hazardous that does not ex<br>.24, or listed hazardous waste as def<br>rdous is attached. (Check the appropriate and the propriate and the control of th | ned by 40 CFR, part 261, subprinted items as provided) Hazardous Waste Analysis een ordered by the Departmen   | or waste hazardous by characteristics established in RCRA regulations art D, as amended. The following documentation demonstrating the  Other (Provide Description Below)  t of Public Safety (the order, documentation of non-hazardous waste |
| (PRINT) AUTHORIZED AGENTS SIGNATURE   |  | PORTER   | SIGNATURE  |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/were pi | 276  | Driver's Name Print Name Phone No. Truck No.   | ncident to the disposal facility listed below.   |
| SHIPMENT DATE DRIV  | ER'S SIGNATURE   | DELIVERY DATE  | DRIVER'S SIGNATURE   |
| TRUCK TIME STAMP IN:OUT:  | DISPOSA  | L FACILITY   | Name/NoRECEIVING AREA  |
| Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Ma   | arker 66 Carlsbad, NM 88220  | Phone No57   | 5-392-6368   |
| NORM READINGS TAKEN? (Circle Or PASS THE PAINT FILTER TEST? (Circle Or  | ne) YES NO   |  | 0 micro roentgents? (Circle One) YES NO  |
| NORM READINGS TAKEN? (Circle Or PASS THE PAINT FILTER TEST? (Circle Or Feet  Feet  Feet  Food Guage  Occived            | Inches TANK B  |  | PLS Received BS&W (%) Free Water tal Received  |
| NAME (PRINT)  NAME (PRINT)  NAME (PRINT)  | ACCEPTED DATE  | DENIED If de   | nied, why?   |

Released to Imaging: 9/10/2025 3:33:37 PM

White - R360 ORIGINAL

Yellow-TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold-RETURN TO GENERATOR



(PLEASE PRINT

\*REQUIRED INFORMATION

|    | Company Man Contact Information                             |  |
|----|---|--|
|    | Name OFFOR LUFTINE  |  |
| ** | Anna and an anna and an |  |

| NVIRONMENTAL   | (PLEASE   | rhily!) - NEQUIRE  | D INFORMATION*   | hone No                    |
|--|---|--|--|----------------------------|
| Lago   | GENER   | RATOR  | NO.  | W-772709                   |
| Generator Manifest # New Way  Generator Name Address  City, State, Zip   | e Energy  | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.           | 111.0C<br>Labo B<br>23.434<br>23.436<br>23.4365<br>23.4365                 | 16 kg 55 68 101            |
| Phone No. EXEMPT E&  | Waste/Service Identification and Amount (   | AFE/PO No. 4   | type in harrels or cubic va  | r/(s)                      |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | NON-INJECTABLE WATERS  Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inject Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY Truck Washout (exempt waste) | table) YES NO  | TOP SOIL & CALICHE SALES OUANTITY  | TOP SOIL CALICHE           |
| WASTE GENERATION PROCESS:  | DRILLING COMPLETION   | PRODUCTION   |  | NG LINES                   |
| Non-Exempt Other All non-exempt  | NON-EXEMPT E&P Waste/Ser<br>E&P waste must be analysed and be below thresh  | old limits for toxicity (TCLP); I  | t<br>gnitability, Corrosivity adn Read<br>from <b>Non-Exempt Waste Lis</b> |                            |
| DISPOSAL QUANTITY  | B - BARRELS   | L-LIQUID   | Y=YARDS )  | E - EACH                   |
| Waste a:  MSDS in  EMERGENCY NON-DILFIELD  Emerger   | 61.21-261.24, or listed hazardous waste as define non-hazardous is attached. (Check the appropriat formation RCRA Hacy non-hazardous, non-oilfield waste that has been atton and a description of the waste must accomp | te items as provided)<br>azardous Waste Analysis<br>in ordered by the Department | Other (  | Provide Description Below) |
| (PRINT) AUTHORIZED AGENTS SIGN   | ATURE DAT   | E  | SIGNATURE  |                            |
| Transporter's Name Address Phone No. Transporter Ticket #  | TRANSP  | Driver's Name Print Name Phone No. Truck No.                                     | laithraile<br>The Collyn   | Wanel                      |
| I hereby certify that the above named material(s) w  | is/were picked up at the Generator's site listed ab   | bove and delivered without in  | cident to the disposal facility lis  | sted below.                |
| SHIPMENT DATE  | DRIVER'S SIGNATURE  | DELIVERY DATE  |  | VER'S SIGNATURE            |
| TRUCK TIME STAMP IN:OUT:   | DISPOSAL  | FACILITY   | Name/No  | NG AREA                    |
| Halfway Facility / Noddress  Halfway Facility / Noddress  MORM READINGS TAKEN? PASS THE PAINT FILTER TEST?   | O Mile Marker 66 Carlsbad, NM 88220<br>(Circle One) YES NO  |  | -392-6368<br>micro roentgents? (Circle O                                   |                            |
| 07/7   | TANK BO   | TTOMS  |  |                            |
| Foet Said Guage  | Inches  | BS&W/BBL   | S Received<br>Free Water   |                            |
| ceived   |   |  | of Received  | BS&W (%)                   |

| Compan | y Man | Contact | Information |
|--------|-------|---------|-------------|
| Name _ | UV.   | - Un    | all fire to |

| NVIIIONMENTAL CONTINUES CO | (P  | PLEASE PRINT) *REQU  | IRED INFORMATION*   | Phone No   |
|--|---|--|---|--|
|  | GI  | ENERATOR   | NO.   | W-774025   |
| Generator Manifest #A 1  | where the congress  | Location of Origin Lease/Well Name & No. County API No.  | MUC SUBMO- BILLS<br>PLANCE OS CAC<br>TONING AND | 184 007<br>184 007<br>1825 5 2 2 4 4 8   |
| City, State, Zip   |   | Rig Name & No.   |   |  |
| Phone No. EXEM   | MPT E&P Waste/Service Identification and A  | AFE/PO No.   | vaste type in barrels or cubic va   | rds)   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms   | NON-INJECTABLE WATERS  Washout Water (Non-Injectabl Completion Fluid/Flow Back (N Produced Water (Non-Injectabl Gathering Line Water/Waste (I   | ie)<br>Ion-Injectable)   | OTHER EXEMPT E&P WAS  | TE STREAMS   |
| E&P Contaminated Soil Gas Plant Waste  | Truck Washout (exempt waste)  | YES NO   | QUANTITY QUANTITY   | TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS:  | ☐ DRILLING ☐ COMPLETION   | ON PRODUCT   | TION GATHERI  | NG LINES   |
| All-non-   | NON-EXEMPT E&P W<br>exempt E&P waste must be analysed and be belo   | Paste/Service Identification and An  |   | etivity  |
| Non-Exempt Other   | words through the peroperation of the per   | And in case of the last of the | ect from Non-Exempt Waste Lis   |  |
| DISPOSAL QUANTITY  | B - BARRELS   | L - LIQUID   | Y - YARDS   | E - EACH   |
| RCRA EXEMPT:  RCRA NON-EXEMPT:  EMERGENCY NON-OILFIELD   | insportation according to applicable regulation.  Dil field wastes generated from oil and gas explorate load basis only)  Dil field waste which is non-hazardous that does a 40 CFR 261.21-261.24, or listed hazardous waste awaste as non-hazardous is attached. (Check the a MSDS Information | not exceed the minimum standard<br>as defined by 40 CFR, part 261, sul<br>ppropriate items as provided)<br>RCRA Hazardous Waste Analysis<br>t has been ordered by the Departm  | s for waste hazardous by character<br>bpart D, as amended. The following            | istics established in RCRA regulations<br>a documentation demonstrating the<br>(Provide Description Below) |
| (PRINT) AUTHORIZED AGE   | :NTS SIGNATURE  | DATE   | SIGNATURE   |  |
| fransporter's Name Address Phone No. fransporter Ticket #  | rial(s) was/were picked up at the Generator's site  | Driver's Name Print Name Phone No. Truck No.   | G 3   | most Aps   |
|  | Collis our  | 6/6/   | 35 6  | della fine   |
| TRUCK TIME STAM  | DRIVER'S SIGNATURE DISPO  | DSAL FACILITY  |   | NG AREA  |
| Halfway Facil ddress  Halfway Facil 6601 Hobbs Hwy U  NORM READINGS T PASS THE PAINT FILTER  | AKEN? (Circle One) YES NO   |  | 575-392-6368<br>> 50 micro roentgents? (Circle C                                    | One) YES NO  |
| Feet   | TAN   | K BOTTOMS  |   |  |
| st Guage<br>and Guage<br>eceived   | Henes   | BS&W/  | BBLS Received Free Water Total Received   | BS&W (%)   |
| ereby certify that the above load material   | I has been (circle one): ACCEPTED   | DENIED II  | denied, why?  | SIGNATURE  |

# R360

# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name _  | 1.0 | -       | 1           |
| Ph. N   | 1   |         | Ker         |

| Washing Co.  |  |  |   |  | Titorie ivo.                            |
|--|--|--|---|--|---|
| 80   | 1870s III  | GENE   | RATOR   | NO.  | HW-771923                               |
| Generator Manifest #                                     | As W   | House Ill comp   | Location of Origin  | MOG Ly   | he                                      |
| Generator Name   |  |  | Lease/Well<br>Name & No.                                  | Townshen &   | MARRA 50 51571                          |
| Address  |  |  | County  | DOLL THE A   | ALMERICA DE SESTES EL                   |
|  |  |  | API No.   | 40-98-9  | 17779                                   |
| City, State, Zip   |  |  | Rig Name & No.  |  |   |
| Phone No.  |  |  | AFE/PO No. —  |  |   |
|  |  |  | (place volume next to waste                               |  |   |
| Oil Based Muds Oil Based Cuttings                        |  | JECTABLE WATERS<br>It Water (Non-Injectable)   |   | OTHER EXEMPT E&P WA  | ASTE STREAMS                            |
| Water Based Muds Water Based Cuttings                    | Complet  | tion Fluid/Flow Back (Non-Injection  | ctable)   | 12   | . 1                                     |
| Produced Formation Solids                                | Gatherin   | d Water (Non-Injectable) ng Line Water/Waste (Non-Inje   | ectable)  | 120  | 14                                      |
| Tank Bottoms E&P Contaminated Soil                       | The state of the s | AL USE ONLY  |   | TOP SOIL & CALICHE SAL   | ES                                      |
| Gas Plant Waste  |  | ashout (exempt waste)  | YES NO  | QUANTITY   | TOP SOIL CALICHE                        |
| WASTE GENERATION PROCESS:                                | ☐ DRILLING   | COMPLETION   | ☐ PRODUCTION  | GATHE  | RING LINES                              |
| W. O.  | Constitution of the second   | NON-EXEMPT E&P Waste/Se  | ervice Identification and Amount                          |  | 6.1                                     |
| Non-Exempt Other   | rexempt F&P waste must be  | analysed and be below thres  | hold limits for toxicity (TCLP), Ig                       | nitability, Corresivity adn Re   | *****                                   |
|  |  |  | piease seiect fi  | rom Non-Exempt Waste L   | Jat on Dack                             |
| DISPOSAL QUANTITY  |  | RRELS  | L-LIQUID  | Y - YARDS  | E - EACH                                |
| I hereby certify that the above listed mat               | erial(s), is (are) not hazardou:   | s waste as defined by 40 CFR F   | Part 261 or any applicable state                          | law. That each waste has b   | een properly described, classified and  |
| packaged, and is in proper condition for<br>RCRA EXEMPT: | and the second of the second o | The state of the s | nd production appeation and are                           | not missel with non-numer  | waste (R360 Accepts certifications      |
| I HONA EXEMPT.   | per load basis only)   | nom on and gas exploration at  | nu production operation and are                           | not mixed with non-exempt  | waste (noou Accepts certifications o    |
| RCRA NON-EXEMPT:   | Oil field waste which is nor   | 1-hazardous that does not exce   | ed the minimum standards for y                            | waste hazardous by charact   | eristics established in RCRA regulation |
|  | waste as non-hazardous is  | attached. (Check the appropria   | ed by 40 CFH, part 261, subpart<br>ote items as provided) | D, as amended. The follows   | ng documentation demonstrating the      |
|  | MSDS Information   |  | lazardous Waste Analysis                                  | ☐ Othe   | er (Provide Description Below)          |
| MERGENCY NON-OILFIELD                                    | Emergency non-hazardous,   | non-oilfield waste that has be   | en ordered by the Department o                            | f Public Safety (the order, do   | ocumentation of non-hazardous wast      |
|  | determination and a descrip  | otion of the waste must accom  | ipany this form)  |  |   |
| (PRINT) AUTHORIZED /                                     | IGENTS SIGNATURE   | DA   | NE -  | SIGNATUR   |   |
|  | 7  | TRANSI   | PORTER  |  | 1                                       |
| Transporter's<br>Name                                    | Den To   | or deal  | Driver's Name   | Ad   | - x trong n                             |
| Address  |  |  | Print Name  | 4.78   | 11-01                                   |
| Phone No.  | 4 10 1 269 -   | 4 ne   | Phone No.   |  |   |
| Transporter Ticket #                                     | and the second s |  | Truck No.   | 65   |   |
| hereby certify that the above named ma                   | terial(s) was/were picked up   | at the Generator's site listed a   | bove and delivered without inc                            | dent to the disposal facility  | listed below                            |
| SHIPMENT DATE  | DRIVER'S SIGNA   | ATURE  | DELIVERY DATE   |  | DRIVER'S SIGNATURE                      |
| TRUCK TIME STA   | MP   | DISPOSAL   | THE RESERVE THE PERSON NAMED IN COLUMN TWO                | an application   | /ING AREA                               |
| IN:OUT:  | 1000   | DIOI OOAL  |   | Name/No.   | All Carlot                              |
|  |  |  |   | Ivallie/Ivo.   |   |
|  | ility / NM1-006  |  | Phone No. 575-  | 392-6368   |   |
|  | US 62 / 180 Mile Marker 66   | Carlsbad, NM 88220   | 40000000  |  |   |
| NORM READINGS  | TAKEN? (Circle One)  | YES NO   | If YES, was reading > 50 i                                | nicro roentgents? (Circle  | One) YES NO                             |
| PASS THE PAINT FILTE                                     |  | YES NO   | A CONTRACTOR OF THE SAME                                  | The state of the s | and Park                                |
|  |  | TANK BO  | TTOMS   |  |   |
| Feet   | Inch   |  | TTOWS   |  |   |
| ist Guage  |  |  | BS&W/BBLS   | The state of the s | BS&W (%)                                |
| and Guage<br>Received                                    |  |  |   | ree Water  |   |
|  |  |  | L lota  | Received   |   |
| ereby certify that the above load mater                  | ial has been (circle one):   | ACCEPTED   | DENIED If denie   | d, why?  |   |
| NAME (PRINT)   | -  | DATE   | TITLE   | _  | CICNATUO                                |
| -138   |  | DATE   | TITLE   |  | SIGNATURE                               |
| e total  | White - R360 ORIGINAL  | Yellow- TRANSPORTER CO   | PY Pink- GENERATOR SITE                                   | COPY Gold- RETURN  | TO GENERATOR                            |

# R36

# NEW MEXICO NON-HAZARDOUS DILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information
Name

| P | 400 | rien. | · N | la. |  |
|---|-----|-------|-----|-----|--|

| ROLUTIONS  |  |  | Maria Contract   | F0                                      | one No   |
|--|--|--|--|---|--|
| 8  |  | GENER  | ATOR   | NO. H                                   | N-771924_  |
| Generator Manifest #   | lumine 2/17  | umperu   | Location of Origin<br>Lease/Well   | Muc Lubs                                | - Dilloway 24 fed 5  |
| Generator Name   |  |  | Name & No.   | Troper NAPA                             | 280.515.7548   |
| Address  |  |  | County   | To a Market and The                     | 76   |
| City, State, Zip   |  |  | API No. Rig Name & No.   | proper 03C22                            | 84007  |
| Phone No.  |  |  | AFE/PO No.   | 1. 1                                    |  |
| ACMEDITATION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN T |  |  | lace volume next to wa   | ste type in barrels or cubic yard       |  |
| Oil Based Muds Oil Based Cuttings  |  | CTABLE WATERS<br>Vater (Non-Injectable)  |  | OTHER EXEMPT E&P WASTE                  | STREAMS  |
| Water Based Muds Water Based Cuttings  | Completion   | n Fluid/Flow Back (Non-Injectal<br>Water (Non-Injectable)  | ble)   | 0.                                      | Mar  |
| Produced Formation Solids Tank Bottoms   | Gathering I  | Line Water/Waste (Non-Injecta  | able)  | D.C.                                    | 114  |
| E&P Contaminated Soil  | INTERNAL<br>Truck Work   | USE ONLY<br>hout (exempt waste)  | YES NO   | TOP SOIL & CALICHE SALES  OUANTITY      | TOP SOIL CALICHE   |
| Gas Plant Waste<br>WASTE GENERATION PROCESS:   | DRILLING   | COMPLETION   | PRODUCTIO  |   | The second of th |
| WASTE GENERATION PROCESS.  |  | ON-EXEMPT E&P Waste/Servi  |  |   | CINES  |
| All no   |  |  |  | ), Ignitability, Corrosivity adn Reacti | vity.  |
| Non-Exempt Other   |  |  | *please selec  | ct from Non-Exempt Waste List           | on back  |
| DISPOSAL QUANTITY  | B - BARR   | ELS L  | - LIQUID   | Y - YARDS                               | E - EACH   |
| hereby certify that the above listed mapackaged, and is in proper condition for  |  |  | t 261 or any applicable sta  | ate law. That each waste has been       | properly described, classified and   |
| RCRA EXEMPT:   | AND A STATE OF THE PARTY OF THE PARTY OF THE PARTY.  |  | production operation and   | are not mixed with non-exempt wa        | ste (R360 Accepts certifications on a  |
| D sont troughter   | per load basis only)   |  |  |   | ine natabilished in DCRA constations   |
| RCRA NON-EXEMPT:   | 40 CFR 261.21-261.24, or liste   | ed hazardous waste as defined  | by 40 CFR, part 261, subp  | art D, as amended. The following of     | ics established in RCRA regulations,<br>ocumentation demonstrating the   |
| Ē  | waste as non-hazardous is att<br>MSDS Information  | The state of the s | ritems as provided)<br>ardous Waste Analysis   | Other (P                                | rovide Description Below)  |
| EMERGENCY NON-OILFIELD   | Emergency non-hazardous, no  |  | The state of the s | nt of Public Safety (the order, docur   | CONTRACTOR OF THE CONTRACTOR O |
| - Charles of the state of the s | determination and a description  | on of the waste must accompa   | nny this form)   |   |  |
| (PRINT) AUTHORIZED   | AGENTS SIGNATURE   | DATE   |  | SIGNATURE                               |  |
| Terrenantes/a  |  | TRANSP   | ORTER  | 8 .                                     | 12   |
| Transporter's<br>Name  | Jan Tex  | MAK  | Driver's Name  | (rel)                                   | u Hyris  |
| Address  | 23.1 3015  | 11 2 2 10  | Print Name   | 100 100                                 |  |
| Phone No.  Transporter Ticket #  | -120 Man -   | 42.10  | Phone No   | - 63                                    | CST COM  |
| hereby certify that the above named ma   | sterial(s) was/were picked up at   | the Generator's site listed abo  |  | incident to the disposal facility list  | ed below.  |
| SHIPMENT DATE  | DRIVER'S SIGNATU   | al-rue   | DELIVERY DATE  |   | R'S SIGNATURE  |
| TRUCK TIME STA   |  | DISPOSAL   | AND RESIDENCE OF THE PARTY OF T | RECEIVIN                                | manufacture  |
| IN: OUT:   |  | DIOI COAL  | AULIT  | Name/No.                                | 8  |
| ite Name/  | ALCO DE COMO D |  |  | 110110/1101                             |  |
| Permit No. Halfway Fa  | cility / NM1-006   |  | Phone No. 5  | 75-392-6368                             |  |
|  | y US 62 / 180 Mile Marker 66 C   |  |  |   |  |
|  | S TAKEN? (Circle One) YE   | A American American  | If YES, was reading > !  | 50 micro roentgents? (Circle On         | e) YES NO  |
| PASS THE PAINT FILE  | ER TEST? (Circle One) YE   |  | TTOME  |   |  |
| Feet   | Inches   | TANK BO  | I TUIVIS   |   |  |
| st Guage   | 2,10100  |  | BS&W/B   | BLS Received                            | BS&W (%)   |
| and Guage  |  |  |  |   | 5544 (70)  |
| Received   | The same of the sa |  | T  | Free Water<br>otal Received             | 55647 (10)   |
| Received   |  | Anadaren   |  | otal Received                           | 55411707   |
| leceived Liereby certify that the above load mate  | rial has been (circle one):  | ACCEPTED DE  |  |   | P  |
|  | rial has been (circle one):  | ACCEPTED DE  |  | otal Received<br>enied, why?            | SIGNATURE  |

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Company  | Man | Contact    | Informatio |
|----------|-----|------------|------------|
| 64-00-23 |     | the second | MA THE     |

|       |     |  | - |
|-------|-----|--|---|
| Phone | No. |  |   |

| 20   | GEN   | IERATOR  | NO. HW- 738796                                       |  |  |  |  |
|--|---|--|--|--|--|--|--|
| Generator Name Address   | ione of   | Location of Origin Lease/Well Name & No. County API No.                            | Albrey 29 Federal                                    |  |  |  |  |
| City, State, Zip Phone No.   |   | Rig Name & No.   | 1.N. pp25059535430                                   |  |  |  |  |
|  | T E&P Waste/Service Identification and Amor   | unt (place volume next to waste  |  |  |  |  |  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste   | NON-INJECTABLE WATERS  Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Infectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-INTERNAL USE ONLY Truck Washout (exempt waste)  |  | TOP SOIL & CALICHE SALES  QUANTITY  TOP SOIL CALICHE |  |  |  |  |
| WASTE GENERATION PROCESS:  | ☐ DRILLING ☐ COMPLETION   | PRODUCTION   | ☐ GATHERING LINES                                    |  |  |  |  |
| All hour   |   | e/Service Identification and Amount  |  |  |  |  |  |
| Non-Exempt Other   | xempt E&P waste must be analysed and be below the   |  | om Non-Exempt Waste List on back                     |  |  |  |  |
| DISPOSAL QUANTITY  | B - BARRELS   | L-LIQUID 21  | Y- YARDS E - EACH                                    |  |  |  |  |
| RCRA EXEMPT: OD PROPERTY OF THE PROPERTY OF TH | per load basis only)  Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations. 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  MSDS Information RCRA regulations.  Other (Provide Description Below) |  |  |  |  |  |  |
| (PRINT) AUTHORIZED AGEN  | TS SIGNATURE  | DATE   | SIGNATURE  |  |  |  |  |
| Transporter's Name Address Phone No. Transporter Ticket #  |   | Driver's Name Print Name Phone No. Truck No.  ted above and delivered without inci | ident to the disposal facility listed below.         |  |  |  |  |
| SHIPMENT DATE  | DRIVER'S SIGNATURE  | DELIVERY DATE  | DRIVER'S SIGNATURE                                   |  |  |  |  |
| TRUCK TIME STAM  | AND RESIDENCE OF THE PERSON NAMED IN  | AL FACILITY  | RECEIVING AREA Name/No.                              |  |  |  |  |
| Halfway Facili Address  Halfway Facili 6601 Hobbs Hwy US  NORM READINGS TA PASS THE PAINT FILTER   | 62 / 180 Mile Marker 66 Carlsbad, NM 88220  KEN? (Circle One) YES NO  |  | micro roentgents? (Circle One) YES NO                |  |  |  |  |
|  |   | BOTTOMS  |  |  |  |  |  |
| st Guage Feet 2nd Guage Deceived   | Inches  | BS&W/BBLS  | Received BS&W (%)                                    |  |  |  |  |
| nereby certify that the above load material  | has been (circle one); ACCEPTED   | DENIED If denie  | old, why?  |  |  |  |  |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold-RETURN TO GENERATOR

| Company | Man  | Contact | Information |
|---------|------|---------|-------------|
| 60 100  | mus. | A - 10  | 24.326      |

| N VIII ON MENTAL COLUMNIANS                               |  | (PLEASE  | PRINT) *REQUIR   | ED INFORMATI  | ON* Phone No   |                           |
|---|--|--|--|---|--|---------------------------|
| enerator Manifest #                                       | d me O   | GENER  | Location of Origin Lease/Well Name & No. County API No.  | 116- y  | No. <b>HW-</b> 736   | 303                       |
| ity, State, Zip   |  |  | Rig Name & No<br>AFE/PO No   | un to New   | 025059535  | 48                        |
|   | NON-IN Washou Comple Produce Gatheriu  | r Identification and Amount (<br>IJECTABLE WATERS<br>ut Water (Non-Injectable)<br>tion Fluid/Flow Back (Non-Inject<br>d Water (Non-Injectable)<br>ing Line Water/Waste (Non-Injectable)<br>IAL USE ONLY<br>//ashout (exempt waste) | alace volume next to was   | THE RESERVE AND ADDRESS OF THE PARTY OF THE | DI E&P WASTE STREAMS                                       | CALICHE                   |
| VASTE GENERATION PROCESS:                                 | DRILLING   | COMPLETION   | ☐ PRODUCTION   | _   | GATHERING LINES  | Orcione                   |
| All non   | -exempt E&P waste must b   | NON-EXEMPT E&P Waste/Ser<br>e analysed and be below thresh   | old limits for toxicity (TCLP),  | Ignitability, Corresis  | rity adn Reactivity.  t Waste List on back                 |                           |
| SPOSAL QUANTITY   | B - BA   | ARRELS   | L-LIQUID   |   | E-E  | ACH                       |
| EMERGENCY NON-OILFIELD                                    | 40 CFR 261.21-261.24, or ti<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous,   | n-hazardous that does not exceed isted hazardous waste as define attached. (Check the appropriate RCRA Hazardous waste that has been ption of the waste must accomp  | d by 40 CFR, part 261, subpa<br>e items as provided)<br>exardous Waste Analysis<br>n ordered by the Department   | rt D, as amended. T   | he following documentation der  Other (Provide Description | nonstrating the<br>Below) |
| (PRINT) AUTHORIZED AC                                     | GENTS SIGNATURE  | DAI  | -  |   | SIGNATURE  | _                         |
| nsporter's me dress one No. nsporter Ticket #             | erial(s) was/were picked up  | TRANSP   | Driver's Name Print Name Phone No. Truck No.   | ncident to the dispo  | sal facility listed below.                                 |                           |
| SHIPMENT DATE   | DAIVER'S SIGN  |  | DELIVERY DATE  | 200   | DRIVER'S SIGNATURE   | _                         |
| TRUCK TIME STAI   | WAY TO SHARE THE PARTY OF THE P | DISPOSAL   | NAME AND ADDRESS OF THE OWNER, WHEN PERSON O | Name/No   | RECEIVING AREA   |                           |
| dress 6601 Hobbs Hwy NORM READINGS                        | A STATE OF THE STA | YES NO   | Phone No. <u>57</u> If YES, was reading > 56   | 5-392-6368<br>0 micro roentgent   | s? (Circle One) YES  | NO                        |
| PASS THE PAINT FILTE                                      | R TEST? (Circle One)   | YES NO TANK BO   | TTOMS  |   |  |                           |
| Guage Feet Guage I Guage reived                           | Inc  | hes  | BS&W/BB  | LS Received Free Water tal Received   | BS&W (%)   |                           |
| reby certify that the above load materi.  NAME (PRINT) 38 | al has been (circle one):  | ACCEPTED D   | ENIED If der   | nied, why?  | SIGNATURE  |                           |

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Compan | y Man | Contact | Information |  |
|--------|-------|---------|-------------|--|
| Name   | M     | 9/1     | Comme       |  |

| Phone No |     |    |   |   |     |  |
|----------|-----|----|---|---|-----|--|
|          | DI. | mn | n | M | es. |  |

Gold- RETURN TO GENERATOR

Pink- GENERATOR SITE COPY

| aotynous   |  |  | Phone No   |            |  |  |  |
|--|--|--|--|------------|--|--|--|
| - Sage   |  | GENERATOR  | No. AD- 003  | 3276       |  |  |  |
| Generator Manifest #  Generator Name Address  City, State, Zip   | herr Sir S   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.   | Bilbrey 99 Fede<br>3-1984007<br>3-028-27774  | ary#1      |  |  |  |
| Phone No.  |  | AFE/PO No.   |  |            |  |  |  |
|  | The state of the s | ation and Amount (place volume next to was   |  |            |  |  |  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste   | Produced Water (   | Non-Injectable) Flow Back (Non-Injectable) Non-Injectable) ater/Waste (Non-Injectable) NLY   | TOP SOIL & CALICHE SALES  QUANTITY  TOP SOIL   | CALICHE    |  |  |  |
|  |  | COMPLETION PRODUCTION  |  | OCIETOTIE. |  |  |  |
| WASTE GENERATION PROCESS:  | ☐ DRILLING ☐   | COMPLETION PRODUCTION  | GATHERING LINES  |            |  |  |  |
| All Non-Exempt Other   |  | EMPT E&P Waste/Service Identification and Amou<br>d and be below threshold limits for toxicity (TCLP),<br>"please select   |  |            |  |  |  |
| DISPOSAL QUANTITY  | B - BARRELS  | L - LIQUID   | 90 Y-YARDS E-E   | ACH        |  |  |  |
|  |  |  | e law. That each waste has been properly describe  |            |  |  |  |
| Cil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)  EMERGENCY NON-OILFIELD  Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form) |  |  |  |            |  |  |  |
| ARREST AUTOMOS   | TO ACCUSE OWNERS   | nw.  | CONTRACTOR   |            |  |  |  |
| (PRINT) AUTHORIZ   | ED AGENTS SIGNATURE  | TDANICHORTED   | SIGNATURE  | _          |  |  |  |
| Transporter's  | - 24   | TRANSPORTER  | 0 +  |            |  |  |  |
| Name 9/  | 1 ex 111 ex 1  | Driver's Name  | FE/EL -  |            |  |  |  |
| Address  |  | Print Name   |  |            |  |  |  |
| Phone No.  |  | Phone No.  | N 9  |            |  |  |  |
| Transporter Ticket #   |  | Truck No. —  | - 1 1 may 1  |            |  |  |  |
| I hereby certify that the above named  | material(s) was/were picked up at the Ge   | enerator's site listed above and delivered without in  | ncident to the disposal facility listed below.   |            |  |  |  |
| SHIPMENT DATE  | DRIVER'S SIGNATURE   | DELIVERY DATE  | DRIVER'S SIGNATURE   |            |  |  |  |
| TRUCK TIME S   | COLUMN TO THE REAL PROPERTY OF THE PERSON OF | DISPOSAL FACILITY  | RECEIVING AREA   |            |  |  |  |
|  | 367.00   | DISPUSAL FACILITY  |  |            |  |  |  |
| IN: OU   | II.  |  | Name/No.   |            |  |  |  |
|  | Oraw Facility / NM1-66<br>Axe Rd., Jal, NM 88252   | Phone No. 57   | 5-236-1734   | NO         |  |  |  |
| ordess 470 Dattie  | Andrew of the State of the Stat |  | Control of the Contro |            |  |  |  |
| PASS THE PAINT F   | IGS TAKEN? (Circle One) YES  ILTER TEST? (Circle One) YES  | NO If YES, was reading > 5   | O micro roentgents? (Circle One) YES   | NO         |  |  |  |
| Feet Fuage   |  | TANK BOTTOMS   |  |            |  |  |  |
| Guage Feet   | Inches   | DC9.W//DD  | LS Received BS&W (%)   |            |  |  |  |
| 2nd Guage  |  | BSQVV/BB   | Free Water B5&VV (%)   |            |  |  |  |
| Deceived   |  | To   | tal Received   |            |  |  |  |
| Volved   |  |  |  |            |  |  |  |
| Sureby certify that the above load ma  | aterial has been (circle one): ACC   | EPTED DENIED If de   | nied, why?   |            |  |  |  |
|  |  | and the second s | and the second s |            |  |  |  |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Company | Man | Contact | Inf | ormation |
|---------|-----|---------|-----|----------|
| Name A  | 211 | 1.15    | d   | 11       |

| 4 | 100 | B V | 10. |  |  |
|---|-----|-----|-----|--|--|

| a sa  | GEN  | IERATOR  | NO. AD  | 0033277               |  |  |  |
|---|--|--|---|-----------------------|--|--|--|
| Generator Manifest #  | UKNE OIL SOMAS   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.                                  | 116km 39 F<br>263984307<br>-036-3778                              | ed cory # 1           |  |  |  |
| EXEMPT  | E&P Waste/Service Identification and Amo   | unt (place volume next to waste  | type in barrels or cubic yards                                    |                       |  |  |  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste  | NON-INJECTABLE WATERS  Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-INTERNAL USE ONLY Truck Washout (exempt waste)   | -Injectable) YES NO  | TOP SOIL & CALIGHE SALES OUANTITY                                 | TOP SOIL CALICHE      |  |  |  |
| WASTE GENERATION PROCESS:   | DRILLING COMPLETION  |  | GATHERING   | LINES                 |  |  |  |
| All non-exe Non-Exempt Other  | NON-EXEMPT E&P Wast<br>mpt E&P waste must be analysed and be below t   | THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. | ntability, Corrosivity adn Reactive<br>om Non-Exempt Waste List o |                       |  |  |  |
| DISPOSAL QUANTITY   | B - BARRELS  | L - LIQUID   | → Y - YARDS   | E - EACH              |  |  |  |
| Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)  Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)  Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form) |  |  |   |                       |  |  |  |
| (PRINT) AUTHORIZED AGENT  | SIGNATURE  | DATE   | SIGNATURE   |                       |  |  |  |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named materia   | (s) was/were picked up at the Generator's site lis   | Driver's Name Print Name Phone No. Truck No.  sted above and delivered without incidents.                          | A PARTY AS TO   | d below.              |  |  |  |
| TRUCK TIME STAMP  | The second second  | AL FACILITY  | RECEIVING   | OR THE REAL PROPERTY. |  |  |  |
| IN: OUT:  |  |  | Name/No   |                       |  |  |  |
| te Name/ Fermit No. Address  Antelope Draw F 476 Battle Axe R  NORM READINGS TAK  | d., Jal, NM 88252  | 7,1010 (10)  | 236-1734<br>nicro roentgents? (Circle One                         | ) YES NO              |  |  |  |
| PASS THE PAINT FILTER TO  | The second secon |  |   |                       |  |  |  |
| st Guage and Guage eceived hereby certify that the above load material ha   | as been (circle one). ACCEPTED   | DENIED If denies   | ee Water<br>Received<br>d, why?                                   | BS&W (%)              |  |  |  |
| NAME (PRINT)  | hite - R360 ORIGINAL Yellow- TRANSPORTE  | FR COPY Pink- GENERATOR SITE   |   |                       |  |  |  |

| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name 些  | 191 | Key     |             |

| R360  | NEW MEXICO NON-HA  | (PLEASE PRINT) *REQUIR  | ED INFORMATION                            | N* Name (201) Phone No   | Ker              |
|---|--|---|---|--|------------------|
|   | and the second   | GENERATOR   | 8 1)                                      | NO. AD- 003  | 3278             |
| enerator Manifest #enerator Name ddressty, State, Zip   | Van Cherny   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.                  | 3 C 238<br>0 - 035 -                      | 4007<br>27719  | 10 # 1           |
| one No. EXEMP   | E&P Waste/Service Identification an  | d Amount (place volume next to was  | te type in barrels or                     | cubic vards)   |                  |
| Il Based Muds Il Based Cuttings /ater Based Muds /ater Based Cuttings roduced Formation Solids ank Bottoms &P Contaminated Soil | NON-INJECTABLE WATERS Washout Water (Non-Injector Produced Water) Washout (exempt washout (ex | S  ttable) k (Non-Injectable) stable) tte (Non-Injectable) ste)  YES  NO                | TOP SOIL & CALIC                          | Dom P  | CALICHE          |
| VASTE GENERATION PROCESS:   | DRILLING COMPL   | ETION PRODUCTION  | V 🗆 0                                     | GATHERING LINES  |                  |
| All non-exe   | NON-EXEMPT E&<br>empt E&P waste must be analysed and be  | P Waste/Service Identification and Amou<br>below threshold limits for toxicity (TCLP).  | nt<br>Ignitability, Corrosivity           | y adn Reactivity.  |                  |
| on-Exempt Other   |  |   | from Non-Exempt V                         | CANADA STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, T |                  |
| SPOSAL QUANTITY   | B - BARRELS  | L - LIQUID  | 3/ Y - YARDS                              | E-   | EACH             |
|   | ergency non-hazardous, non-oilfield waste<br>ermination and a description of the waste<br>s signature  |   |   | order, documentation of non  | -nazarduus waste |
|   | T  | RANSPORTER  | 70  |  |                  |
| ansporter's ame  ddress none No. ansporter Ticket # ereby certify that the above named materia                                  | I(s) was/were picked up at the Generator's   | Driver's Name Print Name Phone No. Truck No. site listed above and delivered without in | ncident to the dispose                    | facility listed below.   |                  |
| SHIPMENT DATE   | DRIVER'S SIGNATURE   | DELIVERY DATE   |   | DRIVER'S SIGNATURE   |                  |
| TRUCK TIME STAMP  | DISI   | POSAL FACILITY  | Name/No                                   | RECEIVING AREA   |                  |
| ddress 476 Battle Axe F   | Facility / NM1-66<br>Rd., Jal, NM 88252  |   | 5-236-1734                                | Michaela Oppola VES  | NO               |
| NORM READINGS TAI<br>PASS THE PAINT FILTER T  | EST? (Circle One) YES NO   | If YES, was reading > 5   | o micro roentgents?                       | (Circle One) YES   | NO               |
| Foot  | Inches   | NK BOTTOMS  |   |  |                  |
| Guage Ceived  | The Mys  |   | LS Received<br>Free Water<br>tal Received | BS&W (%  |                  |
| reby certify that the above load material h   | as been (circle one): ACCEPTED   | DENIED If de  | nied, why?                                | SIZMATIBLE   |                  |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold RETURN TO GENERATOR



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name    | -   | n JA    | BIRO        |

| (Applie) | _  |  | _ |  |
|----------|----|--|---|--|
| Phone    | No |  |   |  |

| 80  |  | GENE  | RATOR  |   |                                     | NO. HW-  | 752   | 325  |
|---|--|---|--|---|-------------------------------------|--|---|--|
| Generator Manifest #<br>Generator Name<br>Address   | 3LC  |   | Location of<br>Lease/Wel<br>Name & No<br>County<br>API No.   |   | 0C byla<br>6 03 13<br>8 35 64       | 6/1007<br>#3575<br>LD-1035   | - 2727  | 9.   |
| City, State, Zip Phone No.  |  |   | Rig Name 8<br>AFE/PO No  |   |                                     |  |   |  |
|   |  | e Identification and Amoun  |  |   |                                     |  |   |  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste  WASTE GENERATION PROCESS: | Washo Comple Produce Gatheri   | JUECTABLE WATERS  ut Water (Non-Injectable) etion Fluid/Flow Back (Non-Inje d Water (Non-Injectable) ing Line Water/Waste (Non-In IAL USE ONLY Vashout (exempt waste)  COMPLETION | njectable)   | NO<br>PRODUCTION  | TOP SOIL & CALL                     | dine   | TOP SOIL  | CALICHE  |
|   |  | NON-EXEMPT E&P Waste/5  | Service Identificat  | ion and Amount  |                                     |  |   |  |
| Non-Exempt Other  | ion-exempt E&P waste must b  | e analysed and be below thro  |  | oxicity (TCLP), Igni<br>please select fro                         |                                     |  | nack  |  |
| DISPOSAL QUANTITY   | B - B,   | ARRELS  | L - LIQUID   | - On  | Y - YARDS                           |  | E - EA  | KCH .  |
| packaged, and is in proper condition fo  RCRA EXEMPT:  RCRA NON-EXEMPT:  EMERGENCY NON-OILFIELD   | Oil field wastes generated per load basis only) Oil field waste which is not 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information Emergency non-hazardous | from oil and gas exploration<br>in-hazardous that does not ex-<br>isted hazardous waste as defi-<br>s attached, (Check the appropri   | ceed the minimum<br>ined by 40 CFR, pa<br>riate items as prov<br>Hazardous Waste<br>been ordered by th | n standards for wa<br>art 261, subpart D,<br>vided)<br>a Analysis | aste hazardous by<br>as amended. Th | characteristics of following documents of their (Providence of the control of the | established in<br>mentation den<br>de Description | RCRA regulations,<br>constrating the<br>Below) |
| (PRINT) AUTHORIZE   | AGENTS SIGNATURE   |   | DATE TOTAL   |   |                                     | SIGNATURE  |   |  |
| Transporter's Name Address Phone No. Transporter Ticket #   | naterial(s) was/were picked u  |   | Driver's Nan<br>Print Name<br>Phone No.<br>Truck No.<br>d above and delive                             |   | ent to the disposa                  | al facility listed b   | elow.   |  |
| SHIPMENT DATE   | DRIVER'S SIGN  | NAME AND ADDRESS OF TAXABLE PARTY.  | THE RESERVE AND ADDRESS OF THE PERSON NAMED IN   | VERY DATE   |                                     | DRIVER'S S   | CONT. ST. CO.                                     |  |
| TRUCK TIME ST   |  | DISPOSA   | L FAGILII  |   | lame/No                             | RECEIVING A  | ANEA  | Ma   |
| dddress Halfway Fa<br>6601 Hobbs Hv   | ocility / NM1-006<br>wy US 62 / 180 Mile Marker 6<br>S TAKEN? (Circle One)<br>TER TEST? (Circle One)   | 6 Carlsbad, NM 88220<br>YES NO<br>YES NO  | Phone No.  | <u>575-3</u><br>reading > 50 m                                    | 92-6368<br>cro roentgents           | ? (Circle One)   | YES   | O 0/00/00/5 3-33-37 PM                         |
| 4.4   |  |   | OTTOMS   |   |                                     |  |   | 701/0  |
| t Guage Feet d Guage cceived  | ing  | hes   |  |   | Received<br>ee Water<br>Received    |  | BS&W (%)  | Polocod to Imaging                             |
| Pigreby certify that the above load mat   | erial has been (circle one)  | ACCEPTED  | DENIED   | If denied   | , why?                              | SIGNA  | ATURE   | ot post  |
| 138   | White Base opicing   | Vallory TRANSPORTER   | CODY BINL  | SENERATOR SITE  | CODY CALL                           | DETLIPALTO CEA   | ERATOR  | Rolo   |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

# Page 113 of 259

| Company | Man | Contact | Inform | nation |
|---------|-----|---------|--------|--------|
| Name    | nn  | n- 10   | Ja     | Ke     |

| R360   | NEV  | V MEXICO NON-HAZAR  |  | E MANIFEST  IRED INFORMATION   | Name Name Name  |
|--|--|---|--|--|---|
| NVIRONMENTAL CO  |  |   | Action Action  |  | Phone No  |
| enerator Manifest #  | or Oil Co                                  |   | Location of Origin<br>Lease/Well<br>Name & No.   | MOC Lobo   | NO. HW-774199   |
| ddressity, State, Zip  |  | 7 13  | County API No. Rig Name & No.  | 3/4/14 350%<br>3/0-008-3   | 95354S<br>17779   |
| none No.   | FMPT F&P Waste/S                           | ervice Identification and Amo   | AFE/PO No.   | acte tune in harrate or  | cubic vards)  |
| il Based Muds il Based Cuttings Vater Based Muds Vater Based Cuttings roduced Formation Solids ank Bottoms |  | NON-INJECTABLE WATERS  Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non- roduced Water (Non-Injectable) Sathering Line Water/Waste (Non- NTERNAL USE ONLY | Injectable)  | the same of the sa | E&P WASTE STREAMS   |
| &P Contaminated Soil<br>ias Plant Waste  |  | ruck Washout (exempt waste)   | YES NO   | QUANTITY   | TOP SOIL CALICHE  |
| ASTE GENERATION PROCESS:   | _ DRILLING                                 | ☐ COMPLETION  | ☐ PRODUCT  | ION G  | GATHERING LINES   |
| All no   | on-exempt E&P waste                        | NON-EXEMPT E&P Was<br>must be analysed and be below   | THE RESIDENCE AND PERSONS ASSESSMENT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT N | riount<br>P), Ignitability, Corrosivity<br>act from <b>Non-Exempt V</b>  | A DESCRIPTION OF THE PROPERTY |
|  |  | O DARREY C  |  | 200  |   |
| SPOSAL QUANTITY  |  | B - BARRELS   | L- LIQUID  | Y - YARDS  | E - EACH<br>e has been properly described, classified and   |
| EMERGENCY NON-OILFIELD   |  | ardous, non-oilfield waste that ha<br>description of the waste must a   |  | ent of Public Safety (the o  | order, documentation of non-hazardous waste   |
| (PRINT) AUTHORIZED   | AGENTS SIGNATURE                           | TRAN  | ISPORTER   | - 5  | SIGNATURE   |
| insporter's  | tama                                       | Inan  | Driver's Name  | Cornela  |   |
| dress  | 1100                                       |   | Print Name   |  |   |
| one No.  |  |   | Phone No.  | 73.7   |   |
| nsporter Ticket #<br>reby certify that the above named ma  | atorialfe) was Avoro ni                    | -kad up at the Constator's eite lie   | Truck No.  | ut incident to the disposal  | facility listed below   |
| reby certify that the above hamed the  | aterial(s) was/were pr                     | sked up at the deherator's site ha  | 6-16-35  | at incluent to the disposal  | recinty hated below.  |
| SHIPMENT DATE  | -  | R'S SIGNATURE   | DELIVERY DATE  |  | DRIVER'S SIGNATURE  |
| TRUCK TIME STA   |  | DISPOS  | AL FACILITY  | Name/No  | ECEIVING AREA   |
| mit No. Halfway Factors 6601 Hobbs Hw  | cility / NM1-006<br>y US 62 / 180 Mile Ma  | rker 66 Carlsbad, NM 88220  | Phone No.  | 575-392-6368   |   |
| ress 6601 Hobbs Hw  NORM READINGS PASS THE PAINT FILT  Feet  Guage   | S TAKEN? (Circle On<br>ER TEST? (Circle On | e) YES NO   |  | > 50 micro roentgents?   | (Circle One) YES NO   |
| Feet   |  | Inches  | BOTTOMS  |  |   |
| Guage Guage Ceived   |  |   | BS&W/  | BBLS Received Free Water   | BS&W (%)  |
| eived  |  |   |  | Total Received   |   |
|  | rial has been (circle or                   | ne): ACCEPTED   | DENIED II  | THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1  |   |
| reby certify that the above load mate  NAME (PRINT) 38   | rial has been (circle or                   | ne): ACCEPTED   | DENIED II  | Total Received   | SIGNATURE   |

White - R360 ORIGINAL

Yellow-TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

| Company | Man   | Contact | Information |
|---------|-------|---------|-------------|
| Name _  | 18.67 | y let   | 11/2-       |

| SOLUTIONS  | (I CENOC I   | THE  |  | one No   |
|--|--|--|--|--|
|  | GENERA   | ATOR   | NO. H  | N-774200   |
| Generator Manifest # Generator Name Address City, State, Zip Phone No.   | OMPANA<br>TOUR   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.  | OK Lobo<br>1 ≠ 03c395400<br>APP 3503953548<br>0-035-37279      | 7/   |
| The second secon | vice Identification and Amount (pla  | ace volume next to waste   |  |  |
| Oil Based Cuttings Water Based Muds Com Water Based Cuttings Produced Formation Solids Gatt Tank Bottoms INTI E&P Contaminated Soil  | N-INJECTABLE WATERS shout Water (Non-Injectable) npletion Fluid/Flow Back (Non-Injectab<br>duced Water (Non-Injectable) hering Line Water/Waste (Non-Injecta<br>ERNAL USE ONLY ck Washout (exempt waste)   | YES (NO  | TOP SOIL & CALIGHE SALES QUANTITY                              | TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS: DRILLING   | COMPLETION   | PRODUCTION   | GATHERIN   | G LINES  |
| All non-exempt E&P waste mu Non-Exempt Other   | NON-EXEMPT E&P Waste/Services to be analysed and be below threshold  | d limits for toxicity (TCLP), Ig   | nitability, Corrosivity adn React<br>rom Non-Exempt Waste List |  |
|  | DARDELC .  |  |  | E - EACH   |
| DISPOSAL QUANTITY B  Thereby certify that the above listed material(s), is (are) not hazar   | . Financia   | LIQUID   | Y-YARDS  |  |
| 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information  EMERGENCY NON-OILFIELD Emergency non-hazard  | s non-hazardous that does not exceed or listed hazardous waste as defined us is attached. (Check the appropriate RCRA Hazardous, non-oilfield waste that has been escription of the waste must accompany.) | by 40 CFR, part 261, subpart<br>items as provided)<br>ordous Waste Analysis<br>ordered by the Department o   | D, as amended. The following o                                 | documentation demonstrating the<br>Provide Description Below)  |
| (PRINT) ALITHORIZED AGENTS SIGNATURE   | DATE   |  | SIGNATURE  |  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/were picket   |  | Driver's Name Print Name Phone No. Truck No.   | ident to the disposal facility lis                             | fed below.   |
|  | SIGNATURE  | DELIVERY DATE  | _ (/ 1)  | FH'S SIGNATURE   |
| TRUCK TIME STAMP   | DISPOSALI  | THE RESERVE OF THE PARTY OF THE | RECEIVIN Name/No.  | The Control of the Co |
| Permit No. Address Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Mark   | er 66 Carlsbad, NM 88220   | Phone No. 575  | -392-6368  |  |
| NORM READINGS TAKEN? (Circle One) PASS THE PAINT FILTER TEST? (Circle One)   |  | If YES, was reading > 50   | micro roentgents? (Circle Or                                   | ne) YES NO   |
|  | TANK BOT   | TTOMS  |  |  |
| st Guage And Guage Received  | Inches   |  | S Received<br>Free Water<br>al Received                        | BS&W (%)   |
| hereby certify that the above load material has been (circle one)  | LETTLE   | CHOKIN   | ed, why?   | CIGMATHIE  |
| NAME (PRINT)   | DATE TO A MERCONTER CORN   | IIILE  | TE CODY DAIL DETINATO  | SIGNATURE  |



| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name    | 317 | 11-11   | t KKON      |

| R360   | (PLEA   | ASE PRINT) *REQUIRE  | D INFORMATION*   | hone No  |
|--|---|--|--|--|
|  | GEN   | ERATOR   | NO.  | W-764573   |
| Generator Manifest #Generator Name Address   | Ost Comocos   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.   | Lobo Dis   | Danso 1  |
| City, State, Zip ———————————————————————————————————   |   | AFE/PO No.   | 1650000  | 5002   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste   | MON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Infectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-INTERNAL USE ONLY Truck Washout (exempt waste) | njectable)  YES NO   | TOP SOIL & CALICHE SALES   | TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS: DRILL  | ING COMPLETION  | PRODUCTION   | GATHERIN   | IG LINES   |
| All non-exempt E&P w Non-Exempt Other  | NON-EXEMPT E&P Waste<br>aste must be analysed and be below the  | The second secon | nt<br>Ignitability, Corrosivity adn Reac<br>from <b>Non-Exempt Waste Lis</b> t | THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUM |
| DISPOSAL QUANTITY  | B - BARRELS   | L - LIQUID   | Y - YARDS  | E-EACH   |
| 40 CFR 261.21- waste as non-I MSDS Informa  EMERGENCY NON-OILFIELD Emergency nor   | which is non-hazardous that does not a<br>261.24, or listed hazardous waste as d<br>azardous is attached. (Check the appro  | efined by 40 CFR, part 261, subpa<br>priate items as provided)<br>A Hazardous Waste Analysis<br>s been ordered by the Department   | rt D, as amended. The following  Other (                                       | documentation demonstrating the<br>Provide Description Below)  |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  |   | DATE   | SIGNATURE  |  |
| Transporter's Name Address Phone No. Transporter Ticket #  |   | Driver's Name Print Name Phone No. Truck No. ed above and delivered without in   | ncident to the disposal facility lis   | sted below.  |
| SHIPMENT DATE  | DRIVER'S SIGNATURE  | DELIVERY DATE  | DRI  | VER'S SIGNATURE  |
| TRUCK TIME STAMP IN:OUT:   |   | AL FACILITY  |  | NG AREA  |
| Halfway Facility / NM1- 6601 Hobbs Hwy US 62 / 180 Mil  NORM READINGS TAKEN? (Circl PASS THE PAINT FILTER TEST? (Circl   | e Marker 66 Carlsbad, NM 88220<br>e One) YES NO   | 1110/10/10/  | 5-392-6368<br>O micro roentgents? (Circle O                                    | ne) YES NO   |
|  | TANK  | BOTTOMS  |  |  |
| Feet St Guage | Inches  | 100000000000000000000000000000000000000  | LS Received<br>Free Water<br>tal Received                                      | BS&W (%)   |
| ereby certify that the above load material has been (circles)  NAME (PRINT)  | cle one): ACCEPTED  DATE  | DENIED If des  | nied, why?   | SIGNATURE  |

| Company N | lan l | Contact | Informa | tio |
|-----------|-------|---------|---------|-----|
| ALC: NO.  |       |         | PUL     |     |

| LAGRITICS |    |  |
|-----------|----|--|
|           |    |  |
| Phono     | Ma |  |

| 280  |   | GENER   | ATOR   |   | NO. HW-7545   | 31  |
|--|---|---|--|---|---|---|
| Generator Manifest #<br>Generator Name<br>Address  | and the same to   | out four  | Location of Origin<br>Lease/Well<br>Name & No.<br>County<br>API No.  | Someti  | 100 mg  |   |
| City, State, Zip<br>Phone No   |   |   | Rig Name & No.  AFE/PO No.   | ALT GAY   | 2334007   |   |
| EX   | MPT E&P Waste/Service Iden  |   | The state of the s |   |   |   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms | Washout Wa<br>Completion F<br>Produced Wa<br>Gathering Lir  | ABLE WATERS  Iter (Non-Injectable) Iuid/Flow Back (Non-Inject Iter (Non-Injectable) Iter (Non-Injectable) Iter (Non-Injectable) Iter (Non-Injectable) |  | Bill  | E&P WASTE STREAMS   |   |
| E&P Contaminated Soil Gas Plant Waste  | INTERNAL U  | ut (exempt waste)   | YES NO   | TOP SOIL & CALIC                                | TOP SOIL  | CALICHE                                     |
| WASTE GENERATION PROCESS:  | DRILLING  | COMPLETION  | PRODUCTIO  | ON 🔲 (  | GATHERING LINES   |   |
| All no   | NOP<br>n-exempt E&P waste must be ana   | N-EXEMPT E&P Waste/Sen  | vice Identification and Amo  | unt<br>Japitability, Corrosivity                | adn Reactivity.   | 1   |
| Non-Exempt Other   |   |   |  | ot from <b>Non-Exempt V</b>                     | CONTRACTOR DESCRIPTION OF THE PERSON OF THE |   |
| DISPOSAL QUANTITY  | B - BARREL  | S   | L - LIQUID   | Y - YARDS                                       | E - EAC   | OH O  |
| RCRA NON-EXEMPT:   | Oil field wastes generated from per load basis only) Oil field waste which is non-haz 40 CFR 261.21-261.24, or listed waste as non-hazardous is attac MSDS Information Emergency non-hazardous, non-determination and a description | ardous that does not excee hazardous waste as defined thed (Check the appropriat RCRA Habilfield waste that has been                                  | ed the minimum standards f<br>d by 40 CFR, part 261, subp<br>e items as provided)<br>zardous Waste Analysis<br>n ordered by the Departmen  | or waste hazardous by<br>art D, as amended, The | characteristics established in RC<br>following documentation demo   | CRA regulations,<br>onstrating the<br>elow) |
| (PRINT) AUTHORIZED   |   | DATI  |  | 5   | SIGNATURE   |   |
| Transporter's Name Address Phone No. Transporter Ticket #  |   | TRANSP  | Driver's Name Print Name Phone No. Truck No.   |   | <i>3</i> 6 - 2 - 5 (  |   |
| hereby certify that the above named ma   |   | e Generator's site listed ab  | pove and delivered without   | incident to the disposal                        | I facility listed below.  |   |
| SHIPMENT DATE TRUCK TIME STA   | ORIVER'S SIGNATURE  | DICROCAL  | DELIVERY DATE  |   | DRIVER'S SIGNATURE  |   |
| IN:OUT:  | W. T.   | DISPOSAL  | FAULLIT  | Name/No   | RECEIVING AREA  |   |
| ddress 6601 Hobbs Hw   | TAKEN? (Circle One)  TEST? (Circle One)  YES  | NO<br>NO  | Phone No   | 75-392-6368<br>50 micro roentgents?             | (Circle One) YES  | NO  |
|  | T   | TANK BO   | TTOMS  |   |   |   |
| St Guage Feet St Guage Seceived  | Inches  |   | 1  | BLS Received<br>Free Water<br>otal Received     | BS&W (%)  |   |
| NAME (PRINT)   |   | DATI COLOR TRANSPORTER COP  | TITLE  | enied, why?                                     | SIGNATURE<br>ETURN TO GENERATOR   |   |



| Company   | Man  | Contact | Information |
|-----------|------|---------|-------------|
| ALC: CALL | 2000 | DOM: N  | Berilde M   |

|           |    | vame . |  |
|-----------|----|--------|--|
| IFORMATIO | 1. |        |  |

| NVINONAENTAL ON SOLUTIONS   | (PLEASI   | E PRINT) *REQUI  | RED INFORMATION*   | Phone No   |
|---|---|--|--|--|
|   | GENE  | RATOR  | NO.  | W-764579   |
| Generator Manifest #  | 24 Company  | Location of Origin<br>Lease/Well<br>Name & No.<br>County<br>API No.  | 4056   | 15.34.58   |
| City, State, Zip Phone No.  |   | Rig Name & No.<br>AFE/PO No.   | rt are sp  | 14007  |
| Oil Based Muds EXEMPT E&P Waste,  | Service Identification and Amount NON-INJECTABLE WATERS   | (place volume next to wa   | oste type in barrels or cubic ya<br>OTHER EXEMPT E&P WAS   |  |
| Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms   | Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY      | 70000  | TOP SOIL & CALICHE SALE  | CAT  |
| E&P Contaminated Soil Gas Plant Waste   | Truck Washout (exempt waste)  | YES NO   | QUANTITY QUANTITY  | TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS: DRILLING  | G COMPLETION  | ☐ PRODUCTI   | ON GATHER  | NG LINES   |
| All non-exempt E&P wast   | NON-EXEMPT E&P Waste/Se<br>e must be analysed and be below thres  | hold limits for toxicity (TCL)   | ount<br>*), Ignitability, Corrosivity adn Rea<br>ct from <b>Non-Exempt Waste Li</b> t  |  |
| DISPOSAL QUANTITY   | B - BARRELS   | L - LIQUID   | Y - YARDS  | E - EACH   |
| RCRA NON-EXEMPT:  Oil field waste wh 40 CFR 261.21-26 waste as non-haze MSDS Information  EMERGENCY NON-OILFIELD  Der load basis only 40 CFR 261.21-26 waste as non-haze Emergency non-haze | ding to applicable regulation.  merated from oil and gas exploration ar  ich is non-hazardous that does not exce  24, or listed hazardous waste as definited in the appropria | nd production operation and<br>sed the minimum standards<br>ed by 40 CFR, part 261, subp<br>ste items as provided)<br>lazardous Waste Analysis<br>en ordered by the Departme | are not mixed with non-exempt of the following art D, as amended. The following Other  | waste (R360 Accepts certifications on a statics established in RCRA regulations, g documentation demonstrating the (Provide Description Below) |
| (PRINT) AUTHORIZED AGENTS SIGNATURE   | DA  | de -   | SIGNATURE  |  |
| Transporter's Name Address Phone No. Transporter Ticket #   | TRANSI  | Driver's Name<br>Print Name<br>Phone No<br>Truck No  |  | isted below.   |
|   | /CR'S SIGNATURE   | DELIVERY DATE  | and to   | IVER'S SIGNATURE   |
| TRUCK TIME STAMP IN:OUT:  | DISPOSAL  | THE RESERVE OF THE RESERVE OF  | Name and Address of the Owner, where the Owner, which is the Owner, | NG AREA  |
| Halfway Facility / NM1-000 Godress Hobbs Hwy US 62 / 180 Mile M   |   | Phone No. 5  | 75-392-6368  |  |
| NORM READINGS TAKEN? (Circle O<br>PASS THE PAINT FILTER TEST? (Circle O   |   | If YES, was reading >  | 50 micro roentgents? (Circle C   | One) YES NO  |
| F1  | TANK BO   | TTOMS  |  |  |
| Feet Guage and Guage acceived   | Inches  |  | BLS Received<br>Free Water<br>otal Received  | BS&W (%)   |
| hereby certify that the above load material has been (circle of   | one): ACCEPTED E  |  |  |  |



| Compan | y Man | Contact | Information |  |
|--------|-------|---------|-------------|--|
| Name _ |       | 4       | Mary P      |  |

|  |  | GENER  | RATOR  | NO.  | HW. 7645811  |
|--|--|--|--|--|--|
|  |  | GLIVE  | The state of the s | 110.   | III. I NAVOO   |
| nerator Manifest #   |  |  | Location of Origin<br>Lease/Well   | and the  | The state of the s |
| nerator Name   | was Old  | Company  | Name & No.   | We has   | A.O.   |
| fress  |  |  | County   | 1/11/250   | 0.71035 (46)   |
|  |  |  | API No.  | 0-0-0-   | 17037  |
| , State, Zip   |  |  | Rig Name & No  | 7345 13  | State St   |
| ne No.   |  |  | AFE/PO No. —   |  |  |
| EXI  | MPT E&P Waste/Service  | Identification and Amount (  | place volume next to waste   | and the same a result of the same state of the s | Value - Value  |
| Based Muds   |  | IJECTABLE WATERS   |  | OTHER EXEMPT E&P W   | ASTE STREAMS   |
| Based Cuttings<br>ter Based Muds   |  | ut Water (Non-Injectable)<br>tion Fluid/Flow Back (Non-Inject  | table)   | 18 S   |  |
| ter Based Cuttings   | Produce  | ed Water (Non-Injectable)  |  | Dinner 1   | 16 1111 1  |
| duced Formation Solids<br>k Bottoms  |  | ng Line Water/Waste (Non-Injer   | ctable)  |  |  |
| Contaminated Soil  | The second secon | IAL USE ONLY   |  | TOP SOIL & GALICHE SA  |  |
| Plant Waste  | Truck W  | /ashout (exempt waste)   | YES NO   | QUANTITY   | TOP SOIL CALICHE   |
| STE GENERATION PROCESS:  | DRILLING   | COMPLETION   | PRODUCTION   | GATHE  | RING LINES   |
| All no   | vr.evemet F&P waste must h   | NON-EXEMPT E&P Waste/Ser<br>be analysed and be below thresh  | rvice Identification and Amoun   | I<br>unitability Corresivity ade B   | leartivity   |
| -Exempt Other  | ar axempt con waste most t   | onalyacu and we below thisa.   |  | rom Non-Exempt Waste   |  |
|  | Alb  | AND SECTION AND SE |  |  |  |
| POSAL QUANTITY  eby certify that the above listed mal  |  | 31.77 (10.94.50  | L - LIQUID   | Y - YARDS  | E - EACH   |
| RCRA NON-EXEMPT:   | 40 CFR 261.21-261.24, or I<br>waste as non-hazardous is  | isted hazardous waste as define<br>attached. (Check the appropria  | ed by 40 CFR, part 261, subpart<br>te items as provided)   | D, as amended. The follow  | teristics established in RCRA regula<br>ying documentation demonstrating their (Provide Description Below)   |
| RCRA NON-EXEMPT:   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous  | isted hazardous waste as define<br>attached. (Check the appropria<br>RCRA H.   | ed by 40 CFR, part 261, subpart<br>te items as provided)<br>azardous Waste Analysis<br>on ordered by the Department o  | D, as amended. The follow  | teristics established in RCRA regula<br>ring documentation demonstrating the<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
|  | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define<br>s attached. (Check the appropria<br>RCRA H.<br>, non-oilfield waste that has bee  | ed by 40 CFR, part 261, subpart<br>te items as provided)<br>azardous Waste Analysis<br>on ordered by the Department op<br>pany this form)  | D, as amended. The follow  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define<br>s attached. (Check the appropria<br>RCRA H., non-oilfield waste that has bee<br>iption of the waste must accom  | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department opany this form)  | D, as amended. The follow  Oth  Oth  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED.  Sporter's   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define sattached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accompa   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department opany this form)  TE  PORTER  | D, as amended. The follow  Oth  Oth  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED.  sporter's   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define sattached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accompa   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department opany this form)  | D, as amended. The follow  Oth  Oth  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| EMERGENCY NON-OILFIELD  OPRINT) AUTHORIZED  sporter's refess   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define sattached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accompa   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department of pany this form)  TE  PORTER  Driver's Name   | D, as amended. The follow  Oth  Oth  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED  sporter's ne ress ne No.   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define sattached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accompa   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis on ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name  | D, as amended. The follow  Oth  Oth  | ving documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| Sporter's e ess e No. sporter Ticket #   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as define attached. (Check the appropria RCRA H., non-oilfield waste that has bee iption of the waste must accom   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis on ordered by the Department opany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No.  | D, as amended. The follow  Oth Oth Of Public Safety (the order, o  | ring documentation demonstrating t<br>ner (Provide Description Below)<br>documentation of non-hazardous wa   |
| Sporter's are No. sporter Ticket #   | Oil field waste which is no<br>40 CFR 261.21-261.24, or I<br>waste as non-hazardous is<br>MSDS Information<br>Emergency non-hazardous<br>determination and a descr   | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accommod TRANSE   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis on ordered by the Department opany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No.  | D, as amended. The follow  Oth Oth Of Public Safety (the order, o  | ring documentation demonstrating the (Provide Description Below) documentation of non-hazardous wa   |
| SPORTER TICKET #   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. bove and delivered without ince  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu   | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was the last of the |
| SPORTER TICKET #  SHIPMENT DATE  TRUCK TIME STA  | Oil field waste which is no 40 CFR 261.21-261.24, or 1 waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second agents signature  DRIVER'S SIGNATURE  | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has begintion of the waste must accommod TRANSE   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. bove and delivered without ince  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI  | ring documentation demonstrating to<br>her (Provide Description Below)<br>documentation of non-hazardous wa  |
| SPORTER TICKET #  SHIPMENT DATE  TRUCK TIME STA  | Oil field waste which is no 40 CFR 261.21-261.24, or 1 waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second agents signature  DRIVER'S SIGNATURE  | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. bove and delivered without ince  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu   | ing documentation demonstrating to the reference of the r |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED  Sporter's e ess ie No. sporter Ticket #  Eby certify that the above named many SHIPMENT DATE  TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF   | Driver's Name Print Name Phone No. Truck No.  DELIVERY DATE  PACILITY  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI Name/No.   | ing documentation demonstrating to the reference of the r |
| SPORTER TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSE.  p at the Generator's site listed a NATURE.  | Driver's Name Print Name Phone No. Truck No.  DELIVERY DATE  PACILITY  Per 1261, subpart te items as provided) azardous Waste Analysis an ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No.   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI  | ing documentation demonstrating to the recommendation of non-hazardous was to list the recommendation of non-hazardous was the recommendation of non-hazardous |
| SPORTER TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF  p at the Generator's site listed a NATURE  DISPOSAL  66 Carlsbad, NM 88220   | PORTER  Driver's Name Print Name Phone No.  Truck No.  DELIVERY DATE  Phone No.  575   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI Name/No.  i-392-6368   | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was a likely listed below.  ORIVER'S SIGNATURE  IVING AREA  |
| SPORTER TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  p at the Generator's site listed an ATURE  DISPOSAL  66 Carlsbad, NM 88220  YES NO   | Driver's Name Print Name Phone No. Truck No.  DELIVERY DATE  PACILITY  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI Name/No.  i-392-6368   | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was a likely listed below.  ORIVER'S SIGNATURE  IVING AREA  |
| SPORTER TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF  p at the Generator's site listed a NATURE  DISPOSAL  66 Carlsbad, NM 88220   | PORTER  Driver's Name Print Name Phone No.  Truck No.  DELIVERY DATE  Phone No.  575   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI Name/No.  i-392-6368   | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was a likely listed below.  ORIVER'S SIGNATURE  IVING AREA  |
| SHIPMENT DATE  TRUCK TIME STA  | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a description of the second s | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  p at the Generator's site listed an ATURE  DISPOSAL  66 Carlsbad, NM 88220  YES NO   | ed by 40 CFR, part 261, subpart te items as provided) azardous Waste Analysis en ordered by the Department of pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. bove and delivered without incompany this form  DELIVERY DATE  FACILITY  Phone No.  17 YES, was reading > 50   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  cident to the disposal facilit  RECEI Name/No.  i-392-6368   | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was a likely listed below.  ORIVER'S SIGNATURE  IVING AREA  |
| SHIPMENT DATE  TRUCK TIME STA  | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a descr  AGENTS SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006  y US 62 / 180 Mile Marker 6  S TAKEN? (Circle One)  ER TEST? (Circle One)  | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been intion of the waste must accommod TRANSF  DISPOSAL  Contract Contrac | Driver's Name Print Name Phone No. Truck No.  DELIVERY DATE  Phone No.  If YES, was reading > 50  DTTOMS   | D, as amended. The follow  Oth Of Public Safety (the order, or SIGNATU  SIGNATU  RECEI Name/No.  1-392-6368  micro roentgents? (Circle   | ring documentation demonstrating the (Provide Description Below) documentation of non-hazardous was recovered by listed below.  ORIVER'S SIGNATURE  IVING AREA   |
| SHIPMENT DATE  TRUCK TIME STA  I: OUT:  Name/ nit No. ress  NORM READING: PASS THE PAINT FILT  Guage   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a descr  AGENTS SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006  y US 62 / 180 Mile Marker 6  S TAKEN? (Circle One)  ER TEST? (Circle One)  | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  DISPOSAL  Security of Carlsbad, NM 88220  YES NO  TANK BC  | PORTER  Driver's Name Print Name Phone No. Truck No.  bouve and delivered without income No. Truck No.  bove and delivered without income No. Truck No.  bove and selivered without income No. Truck No.  BELIVERY DATE  Phone No.  If YES, was reading > 50  DTTOMS  BS&W/BBL   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  Signatu  RECE Name/No  | ing documentation demonstrating the (Provide Description Below) documentation of non-hazardous was a likely listed below.  ORIVER'S SIGNATURE  IVING AREA  |
| Sporter's ne sporter Ticket # sporter TRUCK TIME STATE TRUCK TIME STATE STA | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information  Emergency non-hazardous determination and a descr  AGENTS SIGNATURE  DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006  y US 62 / 180 Mile Marker 6  S TAKEN? (Circle One)  ER TEST? (Circle One)  | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  DISPOSAL  Security of Carlsbad, NM 88220  YES NO  TANK BC  | Driver's Name Print Name Phone No. Truck No.  BEACILITY  Phone No.  If YES, was reading > 50  BS&W/BBL  BY INDIVISION SERVICES  BS&W/BBL   | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  Signatu  RECE Name/No.  -392-6368  micro roentgents? (Circles S Received Free Water  | ring documentation demonstrating the (Provide Description Below) documentation of non-hazardous was recovered by listed below.  ORIVER'S SIGNATURE  IVING AREA   |
| SHIPMENT DATE TRUCK TIME STA   | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information Emergency non-hazardous determination and a describing aderial (s) was/were picked upon DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006 y US 62 / 180 Mile Marker 6 S TAKEN? (Circle One) ER TEST? (Circle One)   | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  p at the Generator's site listed an ATURE  DISPOSAL  GEORGIANA MA 88220  YES NO  YES NO  TANK BOTCHES  | Driver's Name Print Name Phone No. Truck No. BELIVERY DATE  Phone No. Tf YES, was reading > 50  TTOMS  BS&W/BBL Tots  Te te items as provided)  azardous Waste Analysis  an ordered by the Department of the pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. BELIVERY DATE  BS&W/BBL Tots  | D, as amended. The follow Oth Of Public Safety (the order, of Signature)  cident to the disposal facility RECEI  Name/No   | ring documentation demonstrating the (Provide Description Below) documentation of non-hazardous was recovered by listed below.  ORIVER'S SIGNATURE  IVING AREA   |
| SHIPMENT DATE  TRUCK TIME STA  COUT:  Name/ nit No. ress  PASS THE PAINT FILT  Suage Guage  Guage  | Oil field waste which is no 40 CFR 261.21-261.24, or I waste as non-hazardous is MSDS Information Emergency non-hazardous determination and a describing aderial (s) was/were picked upon DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006 y US 62 / 180 Mile Marker 6 S TAKEN? (Circle One) ER TEST? (Circle One)   | isted hazardous waste as defines attached. (Check the appropria RCRA H., non-oilfield waste that has been iption of the waste must accommod TRANSF  p at the Generator's site listed an ATURE  DISPOSAL  GEORGIANA MA 88220  YES NO  YES NO  TANK BOTCHES  | Driver's Name Print Name Phone No. Truck No. BELIVERY DATE  Phone No. Tf YES, was reading > 50  TTOMS  BS&W/BBL Tots  Te te items as provided)  azardous Waste Analysis  an ordered by the Department of the pany this form)  TE  PORTER  Driver's Name Print Name Phone No. Truck No. BELIVERY DATE  BS&W/BBL Tots  | D, as amended. The follow  Oth Of Public Safety (the order, or Signatu  Signatu  RECE Name/No.  -392-6368  micro roentgents? (Circles S Received Free Water  | ring documentation demonstrating the (Provide Description Below) documentation of non-hazardous was recovered by listed below.  ORIVER'S SIGNATURE  IVING AREA   |

| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name    | 0   | antio.  | 1000        |

| UNIFICAMATENTAL SCILLINGS  | (PLEAS   | SE PRINT) *REQUIRE   | D INFORMATION*   | Phone No  |
|--|--|--|--|---|
|  | GENE   | RATOR  |  | HW-764582   |
| Generator Manifest #  Generator Name Address   | I can  | Location of Origin Lease/Well Name & No. County API No.  | A CO   |   |
| City, State, Zip Phone No.   |  | Rig Name & No. —<br>AFE/PO No. —   | 10 m 10 m 10 m   | A 1/20 Z 32   |
|  | ervice Identification and Amoun  | t (place volume next to waste  |  |   |
| Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil                | ON-INJECTABLE WATERS /ashout Water (Non-Injectable) pmpletion Fluid/Flow Back (Non-Injectable) athering Line Water/Waste (Non-Injectable) ITERNAL USE ONLY | jectable)  | TOP SOIL & CALICHE SAL   | ES III  |
| Gos Frant 440sto   | uck Washout (exempt waste)   | YES NO   | QUANTITY   | TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS: DRILLING   | COMPLETION   | PRODUCTION   |  | RING LINES  |
| All non-exempt E&P waste of Non-Exempt Other   | NON-EXEMPT E&P Waste/S<br>nust be analysed and be below thro   |  | t<br>poltability, Corrosivity ado Re<br>from <b>Non-Exempt Waste L</b> |   |
|  | B SIRRES   |  |  | E - EACH  |
| DISPOSAL QUANTITY  I hereby certify that the above listed material(s), is (are) not haz  | B BARRELS  | L - LIQUID   | Y - YARDS  |   |
| 40 CFR 261.21-261.2  waste as non-hazard  MSDS Information  □ MSDS Information  □ EMERGENCY NON-OILFIELD                             | 4, or listed hazardous waste as deflous is attached. (Check the appropr<br>RCRA  | ined by 40 CFR, part 261, subpar<br>riate items as provided)<br>Hazardous Waste Analysis<br>neen ordered by the Department | D, as amended. The followin  | eristics established in RCRA regulations,<br>ing documentation demonstrating the<br>er (Provide Description Below)<br>ocumentation of non-hazardous waste |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  |  | DATE   | SIGNATURI  |   |
| Transporter's Name Address Phone No. Transporter Ticket #  |  | Driver's Name Print Name Phone No. Truck No.   |  | -45 m-  |
| I hereby certify that the above named material(s) was/were pic   | ked up at the Generator's site lister  | d above and delivered without in   | cident to the disposal facility  | listed below  |
| SHIPMENT DATE DRIVE  | R'S SIGNATURE  | DELIVERY DATE  |  | DRIVER'S SIGNATURE  |
| TRUCK TIME STAMP IN:OUT:   | DISPOSA  | L FACILITY   | RECEIV<br>Name/No.   | /ING AREA   |
| Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Ma NORM READINGS TAKEN? (Circle On PASS THE PAINT FILTER TEST? (Circle On | e) YES NO<br>e) YES NO   | If YES, was reading > 50   | 5-392-6368<br>micro roentgents? (Circle                                | 70000   |
|  |  | OTTOMS   |  |   |
| st Guage Faet and Guage Baceived   | Inches   |  | S Received Free Water al Received                                      | BS&W (%)  |
| ereby certify that the above load material has been (circle or NAME (PRINT)  | ACCEPTED  DATE   | DENIED If der  | ied, why?  | SIGNATURE   |

| Company Man Contact Information |  |
|---------------------------------|--|
| Name                            |  |
|                                 | The state of the s |

| SOLUTIONS  |   | CENEDATOR  | NO M  | V-764578   |
|--|---|--|---|--|
| arxingage, Man America                                     |   | GENERATOR  | NU. H   | V-104010   |
| Generator Manifest #                                       | The Company   | Lease/Well   |   |  |
| Generator Name   |   | Name & No.   | Music Libe  |  |
| Address  |   | County   | NATHON  | (34) 3 4 K   |
| -  |   | API No.  | 80-0-23-27  | 719  |
| City, State, Zip   |   | Rig Name & No  | IVE VISIT STO                                     |  |
| hone No.   |   | AFE/PO No.   |   |  |
|  |   | nd Amount (place volume next to was  | OTHER EXEMPT E&P WASTE                            |  |
| Oil Based Muds Oil Based Cuttings                          | NON-INJECTABLE WATER Washout Water (Non-Inject      |  | OTHER EXCIVIF I COP WASTE                         | 3 I I CAIVIO   |
| Water Based Muds Water Based Cuttings                      | Completion Fluid/Flow Bar                           | ck (Non-Injectable)  | B21/2 W   |  |
| Produced Formation Solids                                  | Produced Water (Non-Inje<br>Gathering Line Water/Wa |  |   |  |
| Fank Bottoms E&P Contaminated Soil                         | INTERNAL USE ONLY                                   |  | TOP SOIL & CALICHE SALES                          |  |
| Gas Plant Waste  | Truck Washout (exempt w                             | aste) YES NO   | QUANTITY  | TOP SOIL CALICHE   |
| VASTE GENERATION PROCESS:                                  | DRILLING COMP                                       | LETION PRODUCTIO   | N GATHERING                                       | LINES  |
|  | NON-EXEMPT ES                                       | P Waste/Service Identification and Amo   | int   |  |
| All non-exempt   | E&P waste must be analysed and be                   | below threshold limits for toxicity (TCLP)   | Ignitability, Corrosivity adn Reacti              |  |
| lon-Exempt Other   |   | *please selec  | t from Non-Exempt Waste List                      | on back  |
| ISPOSAL QUANTITY   | B - BARRELS   | L - LIQUID   | Y - YARDS   | E - EACH   |
| ereby certify that the above listed material(s), is        |   |  | to law. That each waste has been                  | properly described, classified and                           |
|  | 100000000000000000000000000000000000000             | RCRA Hazardous Waste Analysis that has been ordered by the Department must accompany this form)  |   | ovide Description Below)<br>nentation of non-hazardous waste |
|  |   | DATE   | SIGNATURE   |  |
| (PRINT) AUTHORIZED AGENTS SIGN                             |   | RANSPORTER   | SIGNATURE   |  |
| ransporter's   |   | and Prairies and   | Francis /4  |  |
| ame  |   | Driver's Name  |   |  |
| ddress   |   | Print Name Phone No.   |   |  |
| ansporter Ticket #   |   | Truck No.  |   |  |
| nereby certify that the above named material(s) w          | as/were picked up at the Generator                  |  | incident to the disposal facility list            | ed below.  |
| SHIPMENT DATE  | DRIVER'S SIGNATURE                                  | DELIVERY DATE  | DRIVI   | R'S SIGNATURE  |
| TRUCK TIME STAMP   | DIS   | POSAL FACILITY   | RECEIVIN  | G AREA   |
| IN:OUT:  |   |  | Name/No.  |  |
| te Name/   |   |  |   |  |
| rmit No. Halfway Facility / P                              |   |  | 75-392-6368                                       |  |
| idress 6601 Hobbs Hwy US 62/1                              | 180 Mile Marker 66 Carlsbad, NM 80                  | 3220   |   |  |
|  |   | -  |   |  |
| NORM READINGS TAKEN?                                       | (Circle One) YES NO                                 | The second secon | 60 micro roentgents? (Circle On                   | e) YES NO  |
| NORM READINGS TAKEN? PASS THE PAINT FILTER TEST?           |   | The second secon | 50 micro roentgents? (Circle On                   | e) YES NO  |
|  | (Circle One) YES NO                                 | The second secon | 50 micro roentgents? (Circle On                   | e) YES NO  |
| PASS THE PAINT FILTER TEST?                                | (Circle One) YES NO                                 | If YES, was reading >  |   |  |
| PASS THE PAINT FILTER TEST?                                | (Circle One) YES NO                                 | If YES, was reading >  | 3LS Received Free Water                           | e) YES NO<br>BS&W (%)  |
| PASS THE PAINT FILTER TEST?  Feet  Guage Id Guage          | (Circle One) YES NO                                 | If YES, was reading > ANK BOTTOMS  BS&W/B  | BLS Received                                      |  |
| PASS THE PAINT FILTER TEST?  Feet  t Guage d Guage sceived | (Circle One) YES NO                                 | If YES, was reading > ANK BOTTOMS  BS&W/B  | BLS Received<br>Free Water<br>otal Received       |  |
| t Guage deceived   | (Circle One) YES NO                                 | If YES, was reading > ANK BOTTOMS  BS&W/B  | 3LS Received Free Water                           |  |
| PASS THE PAINT FILTER TEST?                                | (Circle One) YES NO                                 | If YES, was reading > ANK BOTTOMS  BS&W/B  | BLS Received Free Water otal Received enied, why? |  |

| Compan | y Man Contact  | Information |
|--------|----------------|-------------|
| Name _ | ال ۱۱۰۰ الحراد | Gonzal      |

| LOCK BALLS   |  |  |  |   |   | Phone No   |                             |
|--|--|--|--|---|---|--|-----------------------------|
|  |  | GENE   | RATOR  |   | N   | 10. HW-764                                       | 577                         |
| enerator Manifest #enerator Name   | - ON G   | out/essain   | Location of Or<br>Lease/Well<br>Name & No.   | igin  | 1   |  |                             |
| Idress   |  |  | County   | 4 Min   | Fall 6  | E VS no S  |                             |
| ty, State, Zip   |  |  | API No.  |   |   | 202789   |                             |
| one No.  |  |  | Rig Name & N<br>AFE/PO No.   | 0.  | Ses   | 200  |                             |
|  | IPT E&P Waste/Service Ide  |  | t (place volume ne   |   |   |  |                             |
| I Based Muds I Based Cuttings  | Washout Washou | TABLE WATERS<br>ater (Non-Injectable)  | Chick -  | 01)   | ER EXEMPT E8  | P WASTE STREAMS                                  |                             |
| ater Based Muds /ater Based Cuttings   | Produced W   | Fluid/Flow Back (Non-Injectable)   | ALTONOMIC .  |   | C. C.   | Dunte  |                             |
| oduced Formation Solids  | Gathering Li   | ne Water/Waste (Non-In   | jectable)  | TOP   | SOIL & CALICH   | SALES  |                             |
| AP Contaminated Soil as Plant Waste  |  | out (exempt waste)   | YES  |   | JANTITY   | TOP SOIL   | CALICHE                     |
| ASTE GENERATION PROCESS:   | DRILLING   | COMPLETION   | ☐ PRO  | DUCTION   | ☐ GA  | THERING LINES                                    |                             |
| All non-r  | NO<br>exempt E&P waste must be an  | N-EXEMPT E&P Waste/S<br>alysed and be below thre   | Service Identification<br>eshold limits for toxic  | and Amount<br>ity (TCLP). Ignitabili                            | v. Corrosivity a  | do Reactivity                                    |                             |
| on-Exempt Other  |  |  |  | se select from N  |   |  |                             |
| SPOSAL QUANTITY  | B - BARRE  | LS   | L - LIQUID   |   | Y - YARDS   | E-   | ACH                         |
| EMERGENCY NON-OILFIELD   | Dil field waste which is non-ha<br>10 CFR 261,21-261,24, or listed<br>waste as non-hazardous is atta<br>MSDS Information<br>Emergency non-hazardous, non<br>letermination and a descriptior  | hazardous waste as defi<br>ched (Check the appropr<br>RCRA<br>-oilfield waste that has b | ined by 40 CFR, part 2<br>riate items as provide<br>Hazardous Waste Ar<br>leen ordered by the D  | 261, subpart D, as a<br>d)<br>palysis                           | mended. The fo  | Other (Provide Description                       | emonstrating to<br>n Below) |
| (PRINT) AUTHORIZED AGE   | NTS SIGNATURE  |  | DATE   |   | SIG   | NATURÉ   |                             |
|  |  |  | Name of the last o |   | 5050  | W-1140/W   |                             |
| nsporter's   |  | IMANI  | PORTER   |   |   |  |                             |
| me   | 201-100  | INANS  | Driver's Name  |   |   | - X11 × E  | -                           |
| medress  | 201-10-04  | IKANS  | Driver's Name<br>Print Name  |   |   | V201 5.00  | ~                           |
| me   | Sel- tras  | IKANS  | Driver's Name  |   |   | VXII 2.11  | ~                           |
| me dress one No. nsporter Ticket #   | rial(s) was/were picked up at t  |  | Driver's Name<br>Print Name<br>Phone No.<br>Truck No.  | without incident to   | the disposal fa   |  | nc.                         |
| me dress one No. nsporter Ticket #   | rial(s) was/were picked up at t<br>DRIVER'S SIGNATUR   | he Generator's site listed   | Driver's Name<br>Print Name<br>Phone No.<br>Truck No.  |   | the disposal fa   |  | 200                         |
| me dress one No. nsporter Ticket # reby certify that the above named mater SHIPMENT DATE TRUCK TIME STAM   | DRIVER'S SIGNATUR  | he Generator's site listed   | Driver's Name<br>Print Name<br>Phone No.<br>Truck No.<br>I above and delivered   | DATE  | RE  | cility listed below.                             | 70                          |
| me dress one No. Insporter Ticket #  reby certify that the above named mater  SHIPMENT DATE  TRUCK TIME STAM  N:OUT:   | DRIVER'S SIGNATUR  | he Generator's site listed   | Driver's Name Print Name Phone No. Truck No. I above and delivered   | DATE  |   | icility listed below.                            | 7.8                         |
| me dress one No. Insporter Ticket # Insporter Ticket Tic | DRIVER'S SIGNATUR  | he Generator's site listed   | Driver's Name Print Name Phone No. Truck No. I above and delivered   | DATE  | RE<br>e/No  | icility listed below.                            | 28                          |
| me dress one No. nsporter Ticket # sreby certify that the above named mater TRUCK TIME STAM N: OUT: e Name/ mit No. Halfway Facil  | DRIVER'S SIGNATURE  INTERPOLATION OF SECTION | he Generator's site listed  DISPOSA  risbad, NM 88220                                    | Driver's Name Print Name Phone No. Truck No. Jabove and delivered DELIVERY L. FACILITY Phone No.   | Nam   | RE<br>e/No  | DRIVER'S SIGNATURE CEIVING AREA                  | NO                          |
| me dress one No. Insporter Ticket #  areby certify that the above named mater  SHIPMENT DATE  TRUCK TIME STAM  N: OUT:  B Name/ mit No. dress  Halfway Facil 6601 Hobbs Hwy U  NORM READINGS TA  PASS THE PAINT FILTER   | DRIVER'S SIGNATURE  IF A SECTION OF THE SECTION OF  | he Generator's site listed  DISPOSA  rishad, NM 88220  NO NO                             | Driver's Name Print Name Phone No. Truck No. Jabove and delivered DELIVERY L. FACILITY Phone No.   | Nam   | RE<br>e/No  | DRIVER'S SIGNATURE CEIVING AREA                  | 7.88                        |
| TRUCK TIME STAM  N: OUT:  B Name/ mit No. dress  NORM READINGS TA  PASS THE PAINT FILTER  Guage  | DRIVER'S SIGNATURE  INTERPOLATION OF SECTION | he Generator's site listed  DISPOSA  rishad, NM 88220  NO NO                             | Driver's Name Print Name Phone No. Truck No. I above and delivered DELIVERY L FACILITY  Phone No. If YES, was rea  | Nam 575-392- ading > 50 micro                                   | RE<br>e/No<br>5368<br>oentgents? (C   | DRIVER'S SIGNATURE CEIVING AREA                  | NO NO                       |
| TRUCK TIME STAM  N: OUT:  B Name/ mit No. dress  NORM READINGS TA  PASS THE PAINT FILTER  Guage  | DRIVER'S SIGNATURE  IF A SECTION OF THE SECTION OF  | he Generator's site listed  DISPOSA  rishad, NM 88220  NO NO                             | Driver's Name Print Name Phone No. Truck No. I above and delivered DELIVERY L FACILITY  Phone No. If YES, was rea  | Nam 575-392- ading > 50 micro S&W/BBLS Rece Free W              | RE e/No  6368  oentgents? (Coved later  | DRIVER'S SIGNATURE CEIVING AREA  Circle One) YES | NO NO                       |
| me dress one No. Insporter Ticket #  areby certify that the above named mater  SHIPMENT DATE  TRUCK TIME STAM  N:OUT:  B Name/ mit No. dress  NORM READINGS TA  PASS THE PAINT FILTER  Guage Guage Guage Guage Geived  | Ity / NM1-006 S 62 / 180 Mile Marker 66 Car AKEN? (Circle One) YES TEST? (Circle One) YES  | he Generator's site listed  DISPOSA  risbad, NM 88220  NO NO TANK B                      | Driver's Name Print Name Phone No. Truck No. I above and delivered DELIVERY  Phone No. If YES, was rea  OTTOMS  B  | Nam  575-392- ading > 50 micro  S&W/BBLS Rece Free W Total Rece | RE e/No  6368  oentgents? (Conved leater leved leved leater leved leve | DRIVER'S SIGNATURE CEIVING AREA  Circle One) YES | NO NO                       |
| me dress one No. Insporter Ticket #  Breby certify that the above named mater  TRUCK TIME STAM  N:OUT:  B Name/ mit No. dress  Halfway Facil 6601 Hobbs Hwy U:  NORM READINGS TA  PASS THE PAINT FILTER  Guage   | Ity / NM1-006 S 62 / 180 Mile Marker 66 Car AKEN? (Circle One) YES TEST? (Circle One) YES  | he Generator's site listed  DISPOSA  rishad, NM 88220  NO NO                             | Driver's Name Print Name Phone No. Truck No. I above and delivered DELIVERY L FACILITY  Phone No. If YES, was rea  | Nam 575-392- ading > 50 micro S&W/BBLS Rece Free W Total Rece   | RE e/No  6368  oentgents? (Conved leater leved leved leater leved leve | DRIVER'S SIGNATURE CEIVING AREA  Circle One) YES | 7 88<br>NO                  |

(PLEASE PRINT) \*BEQUIRED IN

| Company | Man Contact | Information |
|---------|-------------|-------------|
| Name    |             | Mean        |

| VFORMATIO | V* Ivan |
|-----------|---------|
|           |         |

| VVIIONAFENTAL SOLUTIONS  |  |  |   | Phone N   | -  | COLUMN TO THE REAL PROPERTY. |
|--|--|--|---|---|--|------------------------------|
|  | GENER  | ATOR   |   | NO. HW-   | 7545   | 7B                           |
| enerator Manifest #enerator Name  Iddressety, State, Zip Index   | OU Control   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.  | 75 L<br>2013<br>21032                                       | 60 F  | 9 CT   |                              |
| I Based Muds I Based Cuttings /ater Based Muds /ater Based Cuttings oduced Formation Solids ink Bottoms IP Contaminated Soil as Plant Waste  | D/Service Identification and Amount (p<br>NON-INJECTABLE WATERS<br>Washout Water (Non-Injectable)<br>Completion Fluid/Flow Back (Non-Injecta<br>Produced Water (Non-Injectable)<br>Gathering Line Water/Waste (Non-Inject<br>INTERNAL USE ONLY<br>Truck Washout (exempt waste)   | table) YES NO  | TOP SOIL & CALL   | CHE SALES   | FOP SOIL                                       | CALICHE                      |
| ASTE GENERATION PROCESS: DRILLIN   |  | PRODUCTIO  |   | GATHERING LIN   | ES   |                              |
| All non-exempt E&P was   | NON-EXEMPT E&P Waste/Serv<br>ste must be analysed and be below thresho   | old limits for toxicity (TCLP),  | int<br>Ignitability, Corrosivit<br>t from <b>Non-Exempt</b> |   | ick  |                              |
| SPOSAL QUANTITY  | B - BARRELS L  | - LIQUID   | Y - YARDS   |   | E - EAC  | CH                           |
|  | zardous is attached. (Check the appropriate  | items as provided)   |   |   |  |                              |
| MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-h  |  | e items as provided)<br>zardous Waste Analysis<br>n ordered by the Departmen   | t of Public Safety (the                                     | Other (Provide  | Description B                                  | lelow)                       |
| MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-h  | on RCRA Hai<br>lezardous, non-oilfield waste that has been<br>d a description of the waste must accompa-   | e items as provided)<br>zardous Waste Analysis<br>n ordered by the Departmen<br>any this form)   | t of Public Safety (the                                     | Other (Provide  | Description B                                  | lelow)                       |
| MSDS Information  EMERGENCY NON-OILFIELD Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  Insporter's Ime idress one No. Insporter Ticket #  | an RCRA Ha.  Razardous, non-oilfield waste that has been did a description of the waste must accompand to the wast | c items as provided) zardous Waste Analysis n ordered by the Department any this form)  ORTER  Driver's Name Print Name Phone No. Truck No.                            |   | Other (Provide<br>order, documental<br>SIGNATURE  | Description B                                  | ielow)<br>zardous wast       |
| MSDS Information  Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  Insporter's Ime dress one No. Insporter Ticket #  greby certify that the above named material(s) was/were   | an RCRA Ha.  Razardous, non-oilfield waste that has been did a description of the waste must accompand to the wast | c items as provided) zardous Waste Analysis n ordered by the Department any this form)  ORTER  Driver's Name Print Name Phone No. Truck No.                            |   | Other (Provide<br>order, documental<br>SIGNATURE  | Description B                                  | ielow)<br>zardoùs was        |
| MSDS Information  EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZED AGENTS SIGNATURE  ansporter's ame didress anne No, ansporter Ticket # ereby certify that the above named material(s) was/were  SHIPMENT DATE  OIL  TRUCK TIME STAMP   | en RCRA Ha.  Razardous, non-oilfield waste that has been did a description of the waste must accompanie.  TRANSP  Picked up at the Generator's site listed ab  | oritems as provided) zardous Waste Analysis ordered by the Department any this form)  ORTER  Driver's Name Print Name Phone No. Truck No. ove and delivered without in | ncident to the disposa                                      | Other (Provide order, documental signature  | Description B tion of non-ha                   | ielow)<br>zardoùs wast       |
| MSDS Informatic Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  ansporter's ame ddress anne No. ansporter Ticket # ereby certify that the above named material(s) was/were  SHIPMENT DATE  TRUCK TIME STAMP  IN: OUT:  Ute Name/ rmit No. Halfway Facility / NM1-01   | PICRA Ha.  Rezardous, non-oilfield waste that has been did a description of the waste must accompany to the waste  | ORTER  Driver's Name Print Name Phone No. Truck No. ORTER  DELIVERY DATE  PACILITY   | ncident to the dispose                                      | Other (Provide order, documental signature  | Description B tion of non-ha                   | ielow)<br>zardoùs wast       |
| MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-hode termination and other mination and other minati | DATE PICKED UP AT THE GENERATOR'S SIGNATURE  DISPOSAL  DISPOSAL  DISPOSAL  OG  Marker 66 Carlsbad, NM 88220  One) YES NO  One) YES NO  One) YES NO   | ORTER  Driver's Name Print Name Phone No.  DELIVERY DATE  FACILITY  If YES, was reading > 5  | Name/No   | Other (Provide order, documental signature al facility listed bel driver's signature december of the december | Description B tion of non-ha                   | ielow)<br>zardous wast       |
| MSDS Informatic  Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  Insporter's Ime dress one No. Insporter Ticket # Ereby certify that the above named material(s) was/were  SHIPMENT DATE DI  TRUCK TIME STAMP  N:   | DISPOSAL  DISPOS | ORTER  Driver's Name Print Name Phone No.  DELIVERY DATE  FACILITY  If YES, was reading > 5  | Name/No   | Other (Provide order, documental signature al facility listed bel driver's signature december of the december | Description B<br>tion of non-ha<br>low.        | elow)<br>zardoùs wast        |
| MSDS Informatic Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  ansporter's ame didress one No. ansporter Ticket # ereby certify that the above named material(s) was/were  SHIPMENT DATE  TRUCK TIME STAMP  OUT;  te Name/ rmit No. dress  Halfway Facility / NM1-0 dress  NORM READINGS TAKEN? (Circle  | DATE PICKED UP AT THE GENERATOR'S SIGNATURE  DISPOSAL  DISPOSAL  DISPOSAL  OG  Marker 66 Carlsbad, NM 88220  One) YES NO  One) YES NO  One) YES NO   | ORTER  Driver's Name Print Name Phone No. Truck No. ove and delivered without in DELIVERY DATE  FACILITY  Phone No.  If YES, was reading > 5  TOMS                     | Name/No   | Other (Provide order, documental signature al facility listed bel DRIVER'S SIGNATURE (Circle One)   | Description B<br>tion of non-ha<br>low.        | zardoùs wast                 |
| MSDS Informatic  Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  Insporter's ime Idress one No. Insporter Ticket #  greby certify that the above named material(s) was/were  SHIPMENT DATE  TRUCK TIME STAMP  N: OUT;  e Name/ mit No. dress  MSDS Informatic Emergency non-h determination an  (PRINT) AUTHORIZED AGENTS SIGNATURE  DIA  TRUCK TIME STAMP  OUT;  e Name/ mit No. dress  MORM Facility / NM1-0 dress  NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle  | DISPOSAL  DISPOS | ORTER  Driver's Name Print Name Phone No. Truck No. ove and delivered without in DELIVERY DATE  FACILITY  Phone No.  If YES, was reading > 5  TOMS                     | Name/No   | Other (Provide order, documental signature al facility listed bel DRIVER'S SIGNATURE (Circle One)   | Description Bettion of non-halow.  SNATURE REA | elow)<br>zardoùs was         |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Compar | ny Man | Contact | Information |
|--------|--------|---------|-------------|
| Name 1 | +:0    | HJOUR   | MASS P.     |

| ADTITIONS CHAIL  |   |  | Phone No  |
|--|---|--|---|
| Page   | GENER   | ATOR   | No. HW-764575   |
| Generator Manifest #   | Och cooppany  | Location of Origin Lease/Well Name & No. County API No. Rig Name & No.                                 | C Lobo Bil Barr 1   |
| Phone No.  |   | AFE/PO No.   |   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | /Service Identification and Amount (p<br>NON-INJECTABLE WATERS<br>Washout Water (Non-Injectable)<br>Completion Fluid/Flow Back (Non-Injecta<br>Produced Water (Non-Injectable)<br>Gathering Line Water/Waste (Non-Inject<br>INTERNAL USE ONLY<br>Truck Washout (exempt waste) | ble)   | TOP SOIL & CALICHE SALES  OUANTITY  Top Soil & CALICHE SALES  TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS: DRILLING   | G COMPLETION  | PRODUCTION   | GATHERING LINES   |
| All non-exempt E&P wast Non-Exempt Other   | NON-EXEMPT E&P Waste/Serv<br>e must be analysed and be below thresho  | ld limits for toxicity (TCLP),   | nt<br>Ignitability, Corrosivity ado Reactivity.<br>Irom <b>Non-Exempt Waste List</b> on back  |
| DISPOSAL QUANTITY  | B - BARRELS L   | - LIQUID   | Y - YARDS E - EACH  |
| ### 40 CFR 261.21-26  waste as non-haze  MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-ha  | 1.24, or listed hazardous waste as defined<br>ordous is attached. (Check the appropriate<br>RCRA Haz  | by 40 CFR, part 261, subpa<br>items as provided)<br>ardous Waste Analysis<br>ordered by the Department | r waste hazardous by characteristics established in RCRA regulation of D, as amended. The following documentation demonstrating the  Other (Provide Description Below)  of Public Safety (the order, documentation of non-hazardous waste |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  | DATE  |  | SIGNATURE   |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/were p                               |   | Driver's Name Print Name Phone No. Truck No.   | cident to the disposal facility listed below.   |
| SHIPMENT DATE DAR  | VER'S SIGNATURE   | DELIVERY DATE  | DRIVER'S SIGNATURE  |
| TRUCK TIME STAMP IN:OUT:   | DISPOSALI   | FACILITY   | RECEIVING AREA Name/No  |
| Halfway Facility / NM1-000 6601 Hobbs Hwy US 62 / 180 Mile M NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O                    | larker 66 Carlsbad, NM 88220  |  | 5-392-6368<br>I micro roentgents? (Circle One) YES NO   |
| 500<br>Feet  | TANK BOT  | TOMS   |   |
| and Guage<br>Sceived   |   |  | S Received BS&W (%) Free Water at Received  |
| Page certify (hat the above load material has been (circle of NAME (PRINT)   | DATE DEF  | NIED If den  | ied, why?<br>SIGNATURE  |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

| Compa | ny Man Contact Informat | tion |
|-------|-------------------------|------|
| Name  |                         | 1    |

| 2 HONMONTAL SOLUTIONS  | (FLEASE FRINT)   | Phone No   |
|--|--|--|
| выпиня С   | GENERATOR  | NO. HW-764574  |
| Generator Manifest #   | Location of Or<br>Lease/Well<br>Name & No.   |  |
| Address  | County API No. Rig Name & N  | in.  |
| City, State, Zip Phone No.   | AFE/PO No.   | NUMBER OF COLORS   |
| EXEMPT E&P Waste/Ser   | vice Identification and Amount (place volume ne  | xt to waste type in barrels or cubic yards)  |
| Oil Based Cuttings Water Based Muds Cot Water Based Cuttings Produced Formation Solids Ga  | N-INJECTABLE WATERS shout Water (Non-Injectable) upletion Fluid/Flow Back (Non-Injectable) duced Water (Non-Injectable) thering Line Water/Waste (Non-Injectable)                                  | OTHER EXEMPT E&P WASTE STREAMS   |
| E&P Contaminated Soil  | ERNAL USE ONLY   | TOP SOIL & CALICHE SALES   |
| Gas Plant Waste Tru  | ck Washout (exempt waste) YES  | NO QUANTITY TOP SOIL CALICHE DDUCTION GATHERING LINES  |
| WASTE GENERATION PROCESS: DRILLING   |  |  |
| Alf non-exempt E&P waste m   | NON-EXEMPT E&P Waste/Service Identification<br>ust be analysed and be below threshold limits for toxic<br>"ple."   | and Amount<br>aty (TCLP), Ignitability, Corrosivity adn Reactivity.<br>ase select from Non-Exempt Waste List on back   |
| DISPOSAL QUANTITY  | B - BARRELS L - LIQUID   | Y - YARDS E - EACH   |
| per load basis only)  Oil field waste which 40 CFR 261.21-261.24 waste as non-hazard MSDS Information  FMERGENCY NON-DILFIELD Emergency non-hazar  | is non-hazardous that does not exceed the minimum s<br>, or listed hazardous waste as defined by 40 CFR, part<br>ous is attached. (Check the appropriate items as provid<br>RCRA Hazardous Waste A | ation and are not mixed with non-exempt waste (R360 Accepts certifications on a tandards for waste hazardous by characteristics established in RCRA regulations, 261, subpart D, as amended. The following documentation demonstrating the ed) unalysis Other (Provide Description Below)  Department of Public Safety (the order, documentation of non-hazardous waste  |
|  |  | SIGNATURE  |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  | TRANSPORTER  | SILITATURE   |
| Transporter's  | Driver's Name  | A STATE OF THE STA |
| Name   | Print Name   |  |
| Phone No.  | Phone No.  |  |
| Transporter Ticket #   | Truck No.  | and without incident to the disposal facility listed below   |
| I hereby certify that the above named material(s) was/were pict  | ted up at the Generator's site listed above and delivere   |  |
| SHIPMENT DAYE DRIVER   | o statement  | NY DATE DRIVER'S SIGNATURE   |
| TRUCK TIME STAMP IN:OUT:   | DISPOSAL FACILITY  | RECEIVING AREA Name/No.  |
| Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Mar   |  | 575-392-6368   |
| Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Mar NORM READINGS TAKEN? (Circle One PASS THE PAINT FILTER TEST? (Circle One  | a) YES NO  | eading > 50 micro roentgents? (Circle One) YES NO  |
|  | TANK BOTTOMS   |  |
| Feet Guage Guage Beceived  | Inches   | BS&W/BBLS Received BS&W (%) Free Water Total Received  |
| The state of the s | and the second   | If develop who?  |
| NAME (PRINT)  NAME (PRINT)  White - R360 ORIG  |  | If denied, why?  |

# R360

# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Compa | ny Man   | Contact | Information |
|-------|--|---------|-------------|
|       | APPLIES TO A STATE OF THE PARTY | 100     | 2-1-1       |

| 200    | 11       | and bearing | 1111111111 |    |
|--------|----------|-------------|------------|----|
| Name   | CIBRIA   | 10          | 10         | 1- |
| 100000 | The same |             |            |    |

| Page   |  | GENE  | RATOR   | 22.0   | NO. HW-7711  | 229                   |
|--|--|---|---|--|--|-----------------------|
| Generator Manifest #   | Whowever 15  | Leanpour  | Location of Origin  | MUE  | Lobo   |                       |
| Generator Name   |  |   | Lease/Well<br>Name & No.  |  |  |                       |
| Address  |  |   | County  | 9-0-1  |  |                       |
| City Ctata 7ia   |  |   | API No.   | USURIS   | 2311 662   |                       |
| City, State, Zip Phone No.   |  |   | Rig Name & No.  | ner masp 2   | 50575361X  |                       |
|  | EMPT E&P Waste/Service I   | dentification and Amount                                    | (place volume next to waste                                     | type in barrels or   | cubic yards)   |                       |
| Oil Based Muds   | LUI-NON  | ECTABLE WATERS  |   | the Real Property lies and the last terms and the last terms are the last terms and the last terms are the l | &P WASTE STREAMS   |                       |
| Oil Based Cuttings Water Based Muds  |  | Water (Non-Injectable)<br>on Fluid/Flow Back (Non-Injec     | ctable)   |  |  |                       |
| Water Based Cuttings Produced Formation Solids   | Produced   | Water (Non-Injectable)                                      |   | Bul K  | James D  |                       |
| Tank Bottoms   | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1997   | Line Water/Waste (Non-Inje<br>USE ONLY                      | ectable)  | TOP SOIL & CALIC   | HE SALES   |                       |
| E&P Contaminated Soil Gas Plant Waste  | - ALLEGA CONTROL OF THE PARTY O | shout (exempt waste)  | YES NO  | QUANTITY   | TOP SOIL   | CALICHE               |
| WASTE GENERATION PROCESS:  | ☐ DRILLING   | COMPLETION  | ☐ PRODUCTION  |  | ATHERING LINES   |                       |
| - Av   | ron  | NON-EXEMPT E&P Waste/Se                                     | ervice Identification and Amoun                                 | 1. A. A. A   | 3 B  |                       |
| Non-Exempt Other   | n-exempt E&P waste must be   | analysed and be below three                                 | shold limits for toxicity (TCLP), to<br>*please select t        | rom Non-Exempt V   | Commence of the last of the la |                       |
| DISPOSAL QUANTITY  | B - BAR  | RELS  | L-LIQUID  | Y - YARDS  | E-E  | ACH                   |
| I hereby certify that the above listed ma  |  |   |   |  |  |                       |
| packaged, and is in proper condition for   | transportation according to app  | olicable regulation.  | and the second second   |  | The second second second   |                       |
| RCRA EXEMPT:   | Oil field wastes generated fr<br>per load basis only)  | om oil and gas exploration a                                | nd production operation and are                                 | not mixed with non-  | exempt waste (R360 Accept  | s certifications on a |
| RCRA NON-EXEMPT:   | Oil field waste which is non-  | hazardous that does not exce                                | eed the minimum standards for                                   | waste hazardous by o   | characteristics established in   | RCRA regulations,     |
|  | 40 CFR 261.21-261.24, or list<br>waste as non-hazardous is a   | ed hazardous waste as defin<br>ttached. (Check the appropri | ned by 40 CFR, part 261, subpart<br>ate items as provided)      | D, as amended. The   | following documentation de   | monstrating the       |
| Investor E   | MSDS Information   |   | fazardous Waste Analysis  |  | Other (Provide Description   | Below)                |
| ☐ EMERGENCY NON-OILFIELD   |  |   | en ordered by the Department of                                 | of Public Safety (the o  | order, documentation of non-   | hazardous waste       |
|  | determination and a descript   | ion of the waste must accon                                 | npany this form)  |  |  |                       |
| (PRINT) AUTHORIZED   | AGENTS SIGNATURE   | 0   | ATE   | \$   | IGNATURE   |                       |
| Transporter's  |  | TRANS   | PORTER  | 7  | 31   |                       |
| Name Salar   | Tax 200  | 1   | Driver's Name   | 1600   | 300000180  | -                     |
| Address  |  | 4   | Print Name  |  |  |                       |
| Phone No.  Transporter Ticket #  |  | -   | Phone No  | 10   |  |                       |
| I hereby certify that the above named ma   | aterial(s) was/were picked up a  | t the Generator's site listed                               |   | ident to the disposal  | facility listed below.   | -                     |
|  |  |   | 6-13-25   | MIC  |  |                       |
| SHIPMENT DATE  | DRIVER'S SIGNAT  |   | DELIVERY DATE   |  | DRIVER'S SIGNATURE   |                       |
| TRUCK TIME STA   | MP.  | DISPOSAL  |   | L)   | ECEIVING AREA  |                       |
| 10.1   | _  | DIGI COA  | LFACILITY   |  | EGEIVING ANLA  | ) (                   |
| IN:OUT:  | _  | DIOI OOA  | LFAGILITY   | Name/No  | ECCIVING ANEA  | 28                    |
| ite Name/  |  | DIOI COA  |   | Name/No  | EGEIVING AREA  | 28                    |
| ite Name/  | _  |   |   |  | EULIVING AILA  | 18.                   |
| ite Name/  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 (   | Carlsbad, NM 88220  | Phone No. 575   | Name/No<br>-392-6368   |  | NO NO                 |
| ite Name/  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 O<br>G TAKEN? (Circle One)  |   |   | Name/No<br>-392-6368   |  | NO                    |
| ite Name/  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 O<br>G TAKEN? (Circle One)  | Carlsbad, NM 88220<br>ES NO<br>ES NO                        | Phone No. 575  If YES, was reading > 50                         | Name/No<br>-392-6368   |  | NO                    |
| ite Name/  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 C<br>G TAKEN? (Circle One)  | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50                         | Name/No  | (Circle One) YES   |                       |
| Halfway Face 6601 Hobbs Hw NORM READINGS PASS THE PAINT FILT Feet  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 (<br>S TAKEN? (Circle One) Y<br>ER TEST? (Circle One) Y   | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50  DTTOMS  BS&W/BBL       | Name/No  |  |                       |
| te Name/ Rermit No.  ddress  Halfway Fac 6601 Hobbs Hw  NORM READINGS PASS THE PAINT FILT  | cility / NM1-006<br>y US 62 / 180 Mile Marker 66 (<br>S TAKEN? (Circle One) Y<br>ER TEST? (Circle One) Y   | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50  DTTOMS  BS&W/BBL       | Name/No  | (Circle One) YES   |                       |
| Halfway Factorium No. Address NORM READINGS PASS THE PAINT FILT Feet Feet Conditions of Good Guage Conditions of Guage Conditi | cility / NM1-006 y US 62 / 180 Mile Marker 66 ( S TAKEN? (Circle One) Y ER TEST? (Circle One) Y Inche  | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50  DTTOMS  BS&W/BBL  Tota | -392-6368 micro roentgents? S Received Free Water  | (Circle One) YES   |                       |
| Halfway Factorium No. Address NORM READINGS PASS THE PAINT FILT Feet Feet Colored Guage Colored Colore | cility / NM1-006 y US 62 / 180 Mile Marker 66 ( S TAKEN? (Circle One) Y ER TEST? (Circle One) Y Inche  | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50  DTTOMS  BS&W/BBL  Tota | Name/No  | (Circle One) YES   |                       |
| Halfway Face 6601 Hobbs Hw NORM READINGS PASS THE PAINT FILT  Feet Feet Guage Cond Guage   | cility / NM1-006 y US 62 / 180 Mile Marker 66 ( S TAKEN? (Circle One) Y ER TEST? (Circle One) Y Inche  | Carlsbad, NM 88220 ES NO TANK BO                            | Phone No. 575  If YES, was reading > 50  DTTOMS  BS&W/BBL  Tota | -392-6368 micro roentgents? S Received Free Water  | (Circle One) YES   |                       |

|    | Company Man Contact Information | ĺ |
|----|---------------------------------|---|
| 1= | Name Colonia Diologica          |   |

| NAILOUMENTUTE CONTINUE   |  |  | Phone No   |
|--|--|--|--|
| 8  |  | GENERATOR  | No. HW-7681.05   |
| Generator Manifest #  Generator Name Address  City, State, Zip   | omboliste al loc   | Location of Origin Lease/Well Name & No. County API No. Rig Name & No:   | BIRENY 29 Food Co.   |
| Phone No.  | EXEMPT E&P Waste/Service Ident   | AFE/PO No. tification and Amount (place volume next to wa  | aste type in barrels or cubic yards)   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | NON-INJECTA Washout Wat Completion Fle Produced Wat Gathering Line INTERNAL US   | ABLE WATERS  oer (Non-Injectable)  uid/Flow Back (Non-Injectable)  ter (Non-Injectable)  a Water/Waste (Non-Injectable)                | TOP SOIL & CALICHE SALES  QUANTITY  TOP SOIL CALICHE   |
| WASTE GENERATION PROCES  | S: DRILLING [  | COMPLETION PRODUCTI  | ON GATHERING LINES   |
| Non-Exempt Other   | NON<br>All non-exempt F&P waste must be anal   | EXEMPT E&P Waste/Service Identification and Amy<br>ysed and be below threshold limits for toxicity (TCL)<br>*please sele               | ount<br>?), Ignitability, Corresivity adn Reactivity.<br>act from <b>Non-Exempt Waste List</b> on back   |
| DISPOSAL QUANTITY  | B - BARRELS  | S L-LIQUID   | Y-YARDS E-EACH   |
| RCRA NON-EXEMPT:   | 40 CFR 261.21-261.24, or listed h waste as non-hazardous is attach MSDS Information Emergency non-hazardous, non-o   | nazardous waste as defined by 40 CFR, part 261, sub<br>hed. (Check the appropriate items as provided)<br>RCRA Hazardous Waste Analysis | for waste hazardous by characteristics established in RCRA regulatio part D, as amended. The following documentation demonstrating the  Other (Provide Description Below)  ent of Public Safety (the order, documentation of non-hazardous waste |
| (PRINT) AUTHO  | RIZED AGENTS SIGNATURE   | DATE   | SIGNATURE  |
| Transporter's Name Address Phone No. Transporter Ticket #  | 4 70% 200%   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  Generator's site listed above and delivered withou                          | Wahas Rodingue &   |
| SHIPMENT DATE  | DRIVER'S SIGNATURE   | OELIVERY DATE  | DRIVER'S SIGNATURE   |
| TRUCK TIME   | THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I | DISPOSAL FACILITY  | RECEIVING AREA Name/No.  |
| Address 6601 Hobbs<br>NORM READ  | y Facility / NM1-006<br>s Hwy US 62 / 180 Mile Marker 66 Carls   | NO If YES, was reading >   | 575-392-6368 50 micro roentgents? (Circle One) YES NO  |
| PASS THE PAINT   | FILTER TEST? (Circle One) YES  | NO TANK POTTOMS  |  |
| st Guage Feet and Guage Seceived   | Inches   |  | BBLS Received BS&W (%) Free Water Total Received   |
| ereby certify that the above load  NAME (PRINT)  | material has been (circle one):  | ACCEPTED DENIED IF O   | denied, why? SiGNATURE   |



|   | Company Man Contact Information |  |
|---|---------------------------------|--|
| * | Name Character 1725 frie        |  |

| IVIBONACITAL DOLUTIONS   | (PLEASE P  | RINT) *REGUIRED  | INFORMATION Pho  | one No  |
|--|--|--|--|---|
|  | GENERA   | TOR  | NO. HV   | V-771928  |
| Generator Manifest #Generator NameAddress  | 4/   | Location of Origin Lease/Well Name & No. County API No.  | More Addit   | 78F &   |
| City, State, Zip Phone No.   |  | Rig Name & No.   | 1 528 23.840<br>1 1 1 25                               | 5 16854 X   |
|  | rvice Identification and Amount (pla<br>DN-INJECTABLE WATERS   | ice volume next to waste t   | ype in barrels or cubic yard<br>OTHER EXEMPT E&P WASTE |   |
| Oil Based Cuttings         W.           Water Based Muds         Co           Water Based Cuttings         Produced Formation Solids           Produced Formation Solids         Ga           Tank Bottoms         IN           E&P Contaminated Soil         IN   | ashout Water (Non-Injectable) impletion Fluid/Flow Back (Non-Injectable) induced Water (Non-Injectable) ithering Line Water/Waste (Non-Injecta TERNAL USE ONLY ick Washout (exempt waste)                            |  | TOP SOIL & CALICHE SALES                               | TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS: DRILLING   | COMPLETION   | PRODUCTION   | ☐ GATHERING  |   |
| All non-exempt E&P waste m   | NON-EXEMPT E&P Waste/Servicust be analysed and be below threshold  | I limits for toxicity (TCLP), Ign  |  |   |
| Non-Exempt Other   |  |  | om Non-Exempt Waste List o                             |   |
| DISPOSAL QUANTITY  I hereby certify that the above listed material(s), is (are) not haz.   |  | LIQUID   | Y - YARDS  | E - EACH  |
| ## 40 CFR 261.21-261.24 waste as non-hazardom ## MSDS Information  EMERGENCY NON-OILFIELD Emergency non-hazardom ## Emerge | is non-hazardous that does not exceed the or listed hazardous waste as defined to be set attached. (Check the appropriate RCRA Hazardous, non-oilfield waste that has been description of the waste must accompany.) | by 40 CFR, part 261, subpart Ditems as provided) ardous Waste Analysis ordered by the Department of  | ), as amended. The following d                         | ocumentation demonstrating the ovide Description Below) |
| (PRINT) AUTHORIZED AGENTS SIGNATURE  | DATE   |  | SIGNATURE  |   |
| Transporter's Name Address Phone No. Transporter Ticket #  | TRANSPO  | Driver's Name A.L. Print Name Phone No. Truck No.  | bee libber   | and halaus  |
| hereby certify that the above named material(s) was/were pick  | ed up at the Generator's site listed abo   | 1-1-X5   | 5, 164   |   |
| TRUCK TIME STAMP IN:OUT:   | DISPOSAL I   | The state of the s | RECEIVIN<br>Name/No                                    | G AREA  |
| Halfway Facility / NM1-006 6601 Hobbs Hwy US 62 / 180 Mile Mar  NORM READINGS TAKEN? (Circle One PASS THE PAINT FILTER TEST? (Circle One   | e) YES NO  | , none that  | 392-6368<br>nicro roentgents? (Circle On               | e) YES NO   |
|  | TANK BOT   | TOMS   |  |   |
| st Guage Feet and Guage Received   | Inches   |  | Received ree Water Received                            | 8S&W (%)  |
| NAME (PRINT)  White - R350 ORIG  | DATE   | TITLE  |  | SIGNATURE   |

| Company | Man    | Contact | Information |
|---------|--------|---------|-------------|
| Mama    | In the | -00     | 120140      |

| SOLUTIONS   |  | (FLEASE FRIIVI)   | neguined infuniviation   | Phone No   |
|---|--|---|--|--|
| Page  | ad a   | GENERATOR   | NO   | HW-768101  |
| Generator Manifest #  Generator Name  Address   | IYAD id konside selli  | Location of O Lease/Well Name & No. County API No. Rig Name & I   | BUBARA<br>Sh. care - 3   | 29Frd Co-  |
| City, State, Zip Phone No.  |  | AFE/PO No.  | (he dintint of the   | 15 46 35 11 X  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS   | NON-INJECTAR Washout Wate Completion Flu Produced Wate Gathering Line INTERNAL USE Truck Washout   | r (Non-Injectable) r (Non-Injectable) r (Non-Injectable) Water/Waste (Non-Injectable)  ONLY (exempt waste) YES  | TOP SOIL & CALICHE S   | WASTE STREAMS  |
| WASTE GENERATION PROGES   |  | EXEMPT E&P Waste/Service Identification   |  | ICHINO LINES   |
| Non-Exempt Other  | All non-exempt E&P waste must be analy.  | sed and be below threshold limits for toxic   | city (TCLP), Ignitability, Corresivity adn<br>ase select from Non-Exempt Wast  |  |
| DISPOSAL QUANTITY   | B - BARRELS  | L - LIQUID  | Y - YARDS  | E - EACH   |
| RCRA NON-EXEMPT:  | 40 CFR 261.21-261.24, or listed ha   | dous that does not exceed the minimum s<br>zardous waste as defined by 40 CFR, part<br>ed. (Check the appropriate items as provid   | 261, subpart D, as amended. The follo  | acteristics established in RCRA regulations,<br>wing documentation demonstrating the |
| EMERGENCY NON-OILFIELD  | MSDS Information Emergency non-hazardous, non-oil  | RCRA Hazardous Waste A<br>field waste that has been ordered by the<br>the waste must accompany this form)   | nalysis 0  | ther (Provide Description Below)<br>, documentation of non-hazardous waste           |
|   | MSDS Information Emergency non-hazardous, non-oil  | RCRA Hazardous Waste A  | nalysis 0  | documentation of non-hazardous waste   |
| Transporter's Name Address Phone No. Transporter Ticket #   | MSDS Information  Emergency non-hazardous, non-oil determination and a description of RIZED AGENTS SIGNATURE   | RCRA Hazardous Waste A field waste that has been ordered by the the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  | Department of Public Safety (the order   | documentation of non-hazardous waste   |
| Transporter's Name Address Phone No. Transporter Ticket #   | MSDS Information  Emergency non-hazardous, non-oil determination and a description of sized agents signature.  | RCRA Hazardous Waste A field waste that has been ordered by the the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No.  | Department of Public Safety (the order SIGNA  d without incident to the disposal faci  | documentation of non-hazardous waste   |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above name SHIPMENT DATE TRUCK TIME IN; O   | MSDS Information  Emergency non-hazardous, non-oil determination and a description of sized agents signature  and material(s) was/were picked up at the  | RCRA Hazardous Waste A field waste that has been ordered by the the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No. Generator's site listed above and delivere   | Department of Public Safety (the order SIGNA  d without incident to the disposal faci  | documentation of non-hazardous waste   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above name SHIPMENT DATE TRUCK TIME IN: O  | MSDS Information  Emergency non-hazardous, non-oil determination and a description of sized agents signature  and material(s) was/were picked up at the DRIVER'S SIGNATURE  STAMP  | RCRA Hazardous Waste A field waste that has been ordered by the the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  Generator's site listed above and delivere  DISPOSAL FACILITY  Phone No.  Phone No.  Old, NM 88220  NO If YES, was rend       | Department of Public Safety (the order SIGNA  d without incident to the disposal faci  | ity listed below.  DRIVER'S SIGNATURE  EIVING AREA                                   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above name  SHIPMENT DATE TRUCK TIME IN:   | MSDS Information  Emergency non-hazardous, non-oil determination and a description of description of description of description of description of description and description of description of description and d | RCRA Hazardous Waste A field waste that has been ordered by the fithe waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  Generator's site listed above and delivere  DISPOSAL FACILITY  Dad, NM 88220  NO If YES, was re                             | Department of Public Safety (the order  SIGNA  SIGNA  WE DATE    REC     Name/No   | ity listed below.  DRIVER'S SIGNATURE  EIVING AREA                                   |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above name  SHIPMENT DATE  TRUCK TIME IN: O Transporter Ticket #  IN: O TRUCK TIME IN: O TRUCK TIME IN: Feet Guage TRUCK TIME Feet Feet Feet Guage Transporter's NORM READI PASS THE PAINT Feet Transporter's Feet Feet Feet Transporter's Feet Feet Feet Feet Feet Feet Feet Fee | MSDS Information  Emergency non-hazardous, non-oil determination and a description of description of description of description of determination and a description of determination and a description of description of description and description of description of description and description of description and description of description and description of description and | RCRA Hazardous Waste A field waste that has been ordered by the I the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  Generator's site listed above and delivere  DISPOSAL FACILITY  Phone No.  AND Phone No.  If YES, was re NO  TANK BOTTOMS    | Department of Public Safety (the order Signal  d without incident to the disposal facility pare    REC     Name/No   575-392-6368   BS&W/BBLS Received     Free Water     Total Received     | ity listed below.  DRIVER'S SIGNATURE  EIVING AREA                                   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above name  SHIPMENT DATE TRUCK TIME IN: O The Name/ Permit No. Address NORM READI PASS THE PAINT  Feet Guage  | MSDS Information  Emergency non-hazardous, non-oil determination and a description of description of description of description of determination and a description of determination and a description of description of description and description of description of description and description of description and description of description and description of description and | RCRA Hazardous Waste A field waste that has been ordered by the I the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  Generator's site listed above and delivere  DISPOSAL FACILITY  Phone No.  Add, NM 88220  NO If YES, was re NO  TANK BOTTOMS | Department of Public Safety (the order Signal  d without incident to the disposal facility DATE  REC.  Name/No.  575-392-6368  BS&W/BBLS Received Free Water Total Received  If denied, why? | inty listed below.  DRIVER'S SIGNATURE  EIVING AREA  Cle One) YES NO                 |



| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name    | MIL | W/ 1    | 194 14      |

| R360   |   | (PLEASE PRIN   | ") *REQUIRED   | INFORMATION*   | Name 200 100  | LUMELH  |
|--|---|--|--|--|---|---|
|  |   | GENERATO   | R  | NO   | HW-768  | 100   |
| Generator Manifest #  Generator Name Address  City, State, Zip Phone No.   | historia pi ke  | Loca<br>Leas<br>Nam<br>Cour<br>API I   | ion of Origin<br>e/Well<br>e & No,<br>ty   | War Li   | 29 FPJ<br>29 FPJ<br>237 8   | 100   |
|  | EMPT E&P Waste/Service Identif  |  |  | type in barrels or cubi                              | c yards)  | -31   |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | NON-INJECTAE Washout Wate Completion Flui Produced Wate Gathering Line INTERNAL USE   | BLE WATERS<br>r (Non-Injectable)<br>id/Flow Back (Non-Injectable)<br>r (Non-Injectable)<br>Water/Waste (Non-Injectable)  | NO   | TOP SOIL & CALICHE'S QUANTITY                        | NASTE STREAMS   | CALICHE   |
| WASTE GENERATION PROCESS:  | DRILLING  | COMPLETION   | PRODUCTION   | ☐ GATH   | IERING LINES  |   |
| All n  | NON-lon-exempt E&P waste must be analy  | EXEMPT E&P Waste/Service Ide<br>sed and be below threshold limit   | a for toxicity (TCLP), Igr   | itability, Corrosivity adn                           |   |   |
| DISPOSAL QUANTITY  | B - BARRELS   | L-LIQU   |  | Y - YARDS  |   | ACH   |
| Dackaged, and is in proper condition for RCRA EXEMPT:  RCRA NON-EXEMPT:  EMERGENCY NON-DILFIELD  | Oil field wastes generated from oil per load basis only) Oil field waste which is non-hazard 40 CFR 261.21-261.24, or listed hat waste as non-hazardous is attached MSDS Information  Emergency non-hazardous, non-oil determination and a description of | I and gas exploration and production and gas exploration and productions waste as defined by 40 and (Check the appropriate items RCRA Hazardou field waste that has been order | inimum standards for v<br>CFR, part 261, subpart l<br>as provided)<br>Waste Analysis<br>d by the Department of | vaste hazardous by chara<br>D, as amended. The follo | acteristics established in<br>wing documentation de<br>ther (Provide Descriptio | n RCRA regulations<br>monstrating the<br>n Below) |
| (PRINT) AUTHORIZED   | ACENTO SIGNATURE  | DATE   |  | SIGNA  | DRE-  |   |
| Fransporter's Name Address Phone No. Fransporter Ticket #  | Tax 2110X   | TRANSPOR   | r's Name<br>Name<br>e No   | don Pe   | Ligue   | 1   |
| hereby certify that the above named n  | naterial(s) was/were picked up at the   |  |  | dent to the disposal faci                            | lity listed below.  |   |
| SHIPMENT DATE TRUCK TIME ST  | (14/7)  | DISPOSAL FAC   | DELIVERY DATE  | RECI   | DRIVER'S SIGNATURE  |   |
| ddress 6601 Hobbs Hv NORM READING  | acility / NM1-006<br>wy US 62 / 180 Mile Marker 66 Carlst<br>is TAKEN? (Circle One) YES<br>TER TEST? (Circle One) YES   |  | e No. <u>575</u> -   | Name/No  | cle One) YES  | NO  |
| PPIOD THE PPINT PIE  | TENT TENT TO THE OTHER OTHER TENT   | TANK BOTTO   | MS   |  |   |   |
| st Guage Feet and Guage Seceived   | Inches  |  | BS&W/BBLS  | Received<br>ree Water<br>I Received                  | BS&W (%)  |   |
| ereby certify that the above load mat  | erial has been (circle one):  | DENIED DENIED  | If denie   | ed, why?   | SIGNATURE   |   |

| (   | Company | Man | Contact | Information |
|-----|---------|-----|---------|-------------|
| . 1 | Varne 🗀 | 11/ | 1199- 1 | Malie       |

| Compar  | ny Man Contact Information |
|---------|----------------------------|
| Name 1  | CHAIN THANKS               |
| Phone N | ło                         |
| W-      | 768099                     |
| 00      |                            |
| 95      |                            |

|  |  |  | Phone No   |
|--|--|--|--|
|  |  | GENERATOR  | No. HW-768099  |
| Generator Manifest #   | Thomas wil con   | Location of Origin Lease/Well  | MUL KUDO   |
| Generator Name   |  | Name & No.   | Bilbert 29 Fed con   |
| Address  |  | County   | 1 4790   |
| City State Zin   |  | API No. Rig Name & No.   | 71 (13 ( 3) ( 100 2)   |
| City, State, Zip Phone No.   |  | AFE/PO No.   | J' MAPP 150 5 7535 48  |
|  | EXEMPT E&P Waste/Service Identifica  | tion and Amount (place volume next to was  | the state of the s |
| Oil Based Muds<br>Oil Based Cuttings   | NON-INJECTABLE Washout Water (N  |  | OTHER EXEMPT E&P WASTE STREAMS   |
| Water Based Muds<br>Water Based Cuttings   | Completion Fluid/F   | low Back (Non-Injectable)  |  |
| Produced Formation Solids  | Produced Water (N Gathering Line Wa  | lon-Injectable)<br>ter/Waste (Non-Injectable)  | Flore Dism's   |
| Tank Bottoms<br>E&P Contaminated Soil  | INTERNAL USE ON  |  | TOP SOIL & CALICHE SALES   |
| Gas Plant Waste  | Truck Washout (exe   |  | QUANTITY TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS:  |  | COMPLETION PRODUCTIO   |  |
| Äl   | NON-EXE<br>non-exempt E&P waste must be analysed   | MPT E&P Waste/Service Identification and Amor<br>and be below threshold limits for toxicity (TCLP).  | int<br>Ignitability, Corrosivity adn Reactivity.   |
| Non-Exempt Other   |  | *please selec  | t from Non-Exempt Waste List on back   |
| DISPOSAL QUANTITY  | B - BARRELS  | L-LIQUID   | Y - YARDS E - EACH   |
|  |  |  | te law. That each waste has been properly described, classified and  |
| packaged, and is in proper condition to<br>RCRA EXEMPT:  | for transportation according to applicable re<br>Oil field wastes generated from oil an<br>per load basis only)                            | V 200 11 (10 10 10 10 10 10 10 10 10 10 10 10 10 1   | are not mixed with non-exempt waste (R360 Accepts certifications on  |
| RCRA NON-EXEMPT:   | Oil field waste which is non-hazardour   |  | or waste hazardous by characteristics established in RCRA regulation   |
| - Committee and a second   |  | dous waste as defined by 40 CFR, part 261, subpa<br>(Check the appropriate items as provided)  | ort D, as amended. The following documentation demonstrating the   |
|  | MSDS Information   | RCRA Hazardous Waste Analysis  | Other (Provide Description Below)  |
| EMERGENCY NON-OILFIELD   | Emergency non-hazardous, non-oilfield<br>determination and a description of the  | d waste that has been ordered by the Departmen   | t of Public Safety (the order, documentation of non-hazardous waste  |
|  | determination and a securificant of the  | Trials that accompany the family   |  |
| (PRINT) AUTHORIZ   | PED AGENTS SIGNATURE   | DATE   | SIGNATURE  |
| Transporter's  |  | TRANSPORTER  | 13 1 1 1 1 1 1   |
| Name   | 101 301 9X   | Driver's Name  | lubys Kit ng Ut  |
| Address  |  | Print Name Phone No.   |  |
| Transporter Ticket #   |  |  |  |
|  |  | Truck No. —  | 64   |
| The state of the s | material(s) was/were picked up at the Ger  |  | ncident to the disposal facility listed below.   |
| LITTLE CONTRACTOR OF THE CONTR | material(s) was/were picked up at the Gen  | Truck No   | ncident to the disposal facility listed below.   |
| hereby certify that the above named  | DRIVER'S SIGNATURE   | Truck No. —<br>nerator's site listed above and delivered without   | NX-  |
| hereby certify that the above named SHIPMENT DATE  | DRIVER'S SIGNATURE   | Truck No.  DELIVERY DATE   | ORIVER'S SIGNATURE   |
| SHIPMENT DATE  TRUCK TIMES  IN:OU  te Name/  | TAMP IT:   | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  | RECEIVING AREA Name/No.  |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  Te Name/  ermit No. Halfway I  | DRIVER'S SIGNATURE   | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No. 57  | DRIVER'S SIGNATURE  RECEIVING AREA   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  te Name/ ermit No. cldress  Halfway I  6601 Hobbs I  | TAMP IT: Facility / NM1-006  | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  57   | RECEIVING AREA Name/No.  |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  Te Name/ ermit No. cldress  NORM READIN  | TAMP  IT:  Facility / NM1-006  Hwy US 62 / 180 Mile Marker 66 Carlsbad,  | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  57   | PECEIVING AREA Name/No.  75-392-6368   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  TE Name/ ermit No. cldress  NORM READIN PASS THE PAINT F   | TAMP  TT:  Facility / NM1-006  May US 62 / 180 Mile Marker 66 Carlsbad,  JGS TAKEN? (Circle One)  JES  JETER TEST? (Circle One)  JES       | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO If YES, was reading > 5   | PECEIVING AREA Name/No.  75-392-6368   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  Te Name/ ermit No. cldress  NORM READIN  | TAMP  IT: Facility / NM1-006 Iwy US 62 / 180 Mile Marker 66 Carlsbad, IGS TAKEN? (Circle One) YES  | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO  If YES, was reading > 5  NO  TANK BOTTOMS  | PECEIVING AREA Name/No.  75-392-6368   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  te Name/ ermit No. ddress NORM READIN PASS THE PAINT F  st Guage dd Guage  | TAMP  TT:  Facility / NM1-006  May US 62 / 180 Mile Marker 66 Carlsbad,  JGS TAKEN? (Circle One)  JES  JETER TEST? (Circle One)  JES       | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO  If YES, was reading > 5  NO  TANK BOTTOMS  BS&W/Bi   | RECEIVING AREA Name/No.  75-392-6368  O micro roentgents? (Circle One) YES NO  BLS Received BS&W (%)   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  NORM READIN PASS THE PAINT F  TRUCK TIMES  Feet  TRUCK TIMES  TRUCK TI | TAMP  JT:  Facility / NM1-006  May US 62 / 180 Mile Marker 66 Carlsbad,  JGS TAKEN? (Circle One) YES  ILTER TEST? (Circle One) YES  Inches | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO  If YES, was reading > 5  NO  TANK BOTTOMS  BS&W/Bi   | RECEIVING AREA Name/No.  75-392-6368  O micro roentgents? (Circle One) YES NO  BLS Received BS&W (%)   Free Water stal Received  |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  NORM READIN PASS THE PAINT F  St Guage IN Guage  TRUCK TIMES  TRUCK TI | TAMP  JT:  Facility / NM1-006  May US 62 / 180 Mile Marker 66 Carlsbad,  JGS TAKEN? (Circle One) YES  ILTER TEST? (Circle One) YES  Inches | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO  If YES, was reading > 5  NO  TANK BOTTOMS  BS&W/Bi   | RECEIVING AREA Name/No.  75-392-6368  O micro roentgents? (Circle One) YES NO  BLS Received BS&W (%)   |
| SHIPMENT DATE  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  IN: OU  TRUCK TIMES  NORM READIN PASS THE PAINT F  TRUCK TIMES  Feet  TRUCK TIMES  TRUCK TI | TAMP  JT:  Facility / NM1-006  May US 62 / 180 Mile Marker 66 Carlsbad,  JGS TAKEN? (Circle One) YES  ILTER TEST? (Circle One) YES  Inches | Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  NO  If YES, was reading > 5  NO  TANK BOTTOMS  BS&W/BE  DENIED  DENIED  DELIVERY DATE  DELIVERY DATE | RECEIVING AREA Name/No.  75-392-6368  O micro roentgents? (Circle One) YES NO  BLS Received BS&W (%)   Free Water stal Received  |

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Company Man    | Contact | Informa | tion |
|----------------|---------|---------|------|
| Mannett Ollows | 100/60  | aure 1  | - LA |

|  |  |  | Phone  | HILL STATE OF THE |
|--|--|--|--|---|
| Lage   |  | GENERATOR  | No. HW   | 764609  |
| Generator Manifest #  Generator Name Address   | house  | Location of Orig<br>Lease/Well<br>Name & No.<br>County   | n Aas Wabb   |   |
| City, State, Zip   |  | API No.  Rig Name & No   | POINT 025 22 546   | 1   |
| Phone No.  | EN IET FARILL A IO   | AFE/PO No.   | WHALL 25037>   | O YOU   |
| Oil Based Muds   |  | entification and Amount (place volume next<br>STABLE WATERS  | to, waste type in barrels or cubic yards)  OTHER EXEMPT E&P WASTE ST   | REAMS   |
| Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil  | Washout W Completion Produced W  | fater (Non-Injectable) Fluid/Flow Back (Non-Injectable) /ater (Non-Injectable) ine Water/Waste (Non-Injectable)  | TOP SOIL & CALICHE SALES   | Sec   |
| Gas Plant Waste  | Truck Wash   | out (exempt waste) YES   | O QUANTITY   | TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS:  | DRILLING   | COMPLETION PROD  | UCTION GATHERING L   | INES  |
|  | Non-exempt E&P waste must be an  | ON-EXEMPT E&P Waste/Service Identification a<br>palysed and be below threshold limits for toxicity   | (TCLP), Ignitability, Corrosivity adn Reactivity   |   |
| Non-Exempt Other   |  | *pleas   | select from Non-Exempt Waste List on   | back  |
| DISPOSAL QUANTITY  | B - BARR   | ELS L-LIQUID   | Y-YARDS  | E - EACH  |
| The second of th | 40 CFR 261.21-261.24, or lister waste as non-hazardous is atta MSDS Information  | zardous that does not exceed the minimum stan<br>d hazardous waste as defined by 40 CFR, part 26<br>ached. (Check the appropriate items as provided)<br>RCRA Hazardous Waste Ana                               | , subpart D, as amended. The following docu  |   |
| EMERGENCY NON-OILFIELD   |  | n-oilfield waste that has been ordered by the Dep<br>n of the waste must accompany this form)  | artment of Public Safety (the order, documen   | ntation of non-hazardous waste  |
|  | determination and a description  | n of the waste must accompany this form)   |  | ntation of non-hazardous waste  |
| Transporter's Name Address Phone No.   | determination and a description  | TRANSPORTER  Driver's Name Print Name Phone No.  | SIGNATURE  | tation of non-hazardous waste   |
| Transporter's Name Address Phone No. Transporter Ticket #  | determination and a description  | TRANSPORTER  Driver's Name Print Name  | SIGNATURE Add Add Add Add Add Add Add Add Add Ad   | 4/1/2   |
| Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named management of the service of t | determination and a description and a description and a description at a description and a description | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  | SIGNATURE  SIGNATURE  ithout incident to the disposal facility listed to the disposal facility | below.  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management date TRUCK TIME STA  | aterial(s) was/were picked up at   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  | signature<br>  | below.  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the state  | aterial(s) was/were picked up at   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No.  | ithout incident to the disposal facility listed to the DRIVER'S RECEIVING  | below.  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the state  | aterial(s) was/were picked up at DRIVER'S SIGNATURE  | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No.  If YES, was read S NO If YES, was read                  | ithout incident to the disposal facility listed to the DRIVER'S RECEIVING Name/No.   | below.  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the state  | aterial(s) was/were picked up at DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006 y US 62 / 180 Mile Marker 66 Cas TAKEN? (Circle One) YES ER TEST? (Circle One) YES   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered vote  DISPOSAL FACILITY  Phone No.  If YES, was read   | ithout incident to the disposal facility listed to the DRIVER'S RECEIVING Name/No  | below. SIGNATURE AREA   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the Name of t | aterial(s) was/were picked up at DRIVER'S SIGNATURE  DRIVER'S SIGNATUR  Cility / NM1-006 y US 62 / 180 Mile Marker 66 Ca   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No. rlsbad, NM 88220 S NO If YES, was read S NO TANK BOTTOMS | ithout incident to the disposal facility listed to the DRIVER'S RECEIVING Name/No  | below. SIGNATURE AREA   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the Name of t | aterial(s) was/were picked up at DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006 y US 62 / 180 Mile Marker 66 Cas TAKEN? (Circle One) YES ER TEST? (Circle One) YES   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No. rlsbad, NM 88220 S NO If YES, was read S NO TANK BOTTOMS | signature  ithout incident to the disposal facility listed to the DRIVER'S RECEIVING Name/No.  575-392-6368  ing > 50 micro roentgents? (Circle One)  WW/BBLS Received Free Water  | Delow. SIGNATURE AREA  YES NO   |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management to the property of the state  | aterial(s) was/were picked up at DRIVER'S SIGNATURE  DRIVER'S SIGNATURE  Cility / NM1-006 y US 62 / 180 Mile Marker 66 Cas TAKEN? (Circle One) YES ER TEST? (Circle One) YES   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No. rlsbad, NM 88220 S NO If YES, was read S NO TANK BOTTOMS | ithout incident to the disposal facility listed to the DRIVER'S RECEIVING Name/No  | below. SIGNATURE AREA YES NO  |
| Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named management date TRUCK TIME STA IN: OUT:  Ite Name/ ermit No. Address Address NORM READINGS PASS THE PAINT FILT  Feet  | aterial(s) was/were picked up at  DRIVER'S SIGNATURE  DRIVER'S SIGNATUR  AMP  Cility / NM1-006 y US 62 / 180 Mile Marker 66 Ca S TAKEN? (Circle One) YES ER TEST? (Circle One) YES   | TRANSPORTER  Driver's Name Print Name Phone No. Truck No. the Generator's site listed above and delivered v  DELIVERY D  DISPOSAL FACILITY  Phone No. rlsbad, NM 88220 S NO If YES, was read S NO TANK BOTTOMS | ithout incident to the disposal facility listed to the disposa | Delow. SIGNATURE AREA  YES NO   |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR



| Company | Man Contact Information |
|---------|-------------------------|
| Name _  | Change Calalate         |

| R360  | NEW WEATCO NON-HAZARL  |  | D INFORMATION*  | Name Colonor Colon Aco   |
|---|--|--|---|--|
| SOLUTIONAL SOLUTIONS  | (PLEX  | ASE PHINT) REQUIRE   |   | Phone No   |
| Page  | GEN  | ERATOR   | NO.   | W-764608   |
| Generator Manifest #  | stilled oil some   | Location of Origin<br>Lease/Well   | MOL LOP   | -  |
| Generator Name  |  | Name & No.   |   | 112  |
| Address   |  | County API No  | r- 1005 = 27  | 177  |
| City, State, Zip  |  | Rig Name & No.   | 15/0/73 193/ D  | 75 4 B O /   |
| Phone No.   EXEMPT F&P V  | Vaste/Service Identification and Amou  | AFE/PO No.   | type in barrels or cubic va   | rrds)  |
| Oil Based Muds  | NON-INJECTABLE WATERS  |  | OTHER EXEMPT E&P WAS  |  |
| Oil Based Cuttings Water Based Muds   | Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-In  | njectable)   |   |  |
| Water Based Cuttings Produced Formation Solids Tank Bottoms   | Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-   | Injectable)  |   | per product  |
| E&P Contaminated Soil   | INTERNAL USE ONLY Truck Washout (exempt waste)   | YES NO   | OUANTITY QUANTITY   | TOP SOIL CALICHE   |
| Gas Plant Waste  WASTE GENERATION PROCESS: DF   |  | PRODUCTION   |   |  |
|   | NON-EXEMPT E&P Waste   | e/Service Identification and Amour   |   |  |
| All non-exempt E& Non-Exempt Other  | P waste must be analysed and be below the  |  | pnitability, Corrosivity adn Rea<br>from <b>Non-Exempt Waste Li</b> |  |
| 19402-4-36-14-5-5-5-0-7   | B - BARRELS  | L-LIQUID   | Y - YARDS   | E - EACH   |
| DISPOSAL QUANTITY  I hereby certify that the above listed material(s), is (an                           |  |  |   |  |
| packaged, and is in proper condition for transportation   | n according to applicable regulation.<br>estes generated from oil and gas exploratio   |  |   |  |
| per load ba   | sis only)  |  |   |  |
| 40 CFR 261  | ste which is non-hazardous that does not o<br>.21-261.24, or listed hazardous waste as d   | efined by 40 CFR, part 261, subpar   | waste hazardous by character<br>t D, as amended. The followin       | ristics established in RCRA regulations,<br>g documentation demonstrating the  |
| waste as n  | on-hazardous is attached. (Check the appro   | opriate items as provided)<br>RA Hazardous Waste Analysis  | Other   | (Provide Description Below)  |
| ☐ EMERGENCY NON-OILFIELD Emergency  | non-hazardous, non-oilfield waste that has   | s been ordered by the Department   |   | NAME OF TAXABLE PARTIES AND ADDRESS OF TAXABLE PARTIES AND ADD |
| determinati   | ion and a description of the waste must ac   | company this form)   |   |  |
| (PRINT) AUTHORIZED AGENTS SIGNATU   |  | DATE   | SIGNATURE   |  |
| Transporter's   | TRAN   | SPORTER  | ra pul  |  |
| Name Address  | -240   | Driver's Name  | A 1009  | ALTO CONTRACTOR  |
| Phone No.   |  | Phone No.  | F1:   |  |
| Transporter Ticket # I hereby certify that the above named material(s) was                              | Aware picked up at the Generator's site lie!   | Truck No   | cident to the disposal facility                                     | listed below   |
|   |  | 6-1235   | 1/1/  |  |
| SHIPMENT DATE TRUCK TIME STAMP  | DRIVER'S SIGNATURE DISPOS  | AL FACILITY  | - 1 October 1994  | ING AREA   |
| IN: OUT:  | Disrus   | ALIMOILITI   | Name/No   |  |
| die Nessel  | Mary .   | 200  | Anna Sala   |  |
| Halfway Facility / NA 6601 Hobbs Hwy US 62 / 180  | /11-006<br>Mile Marker 66 Carlsbad, NM 88220   | Phone No. 57!  | 5-392-6368  |  |
| NORM READINGS TAKEN? (C   | THE RESERVE OF THE PARTY OF THE | If YES was reading > 50  | micro roentgents? (Circle   | One) YES NO  |
| PASS THE PAINT FILTER TEST? (C  |  | 11 120, 1144 1544113 1   |   |  |
| Halfway Facility / NN 6601 Hobbs Hwy US 62 / 180 NORM READINGS TAKEN? (C PASS THE PAINT FILTER TEST? (C | TANK   | BOTTOMS  |   | One) YES NO  |
| St Guage Feet   | Inches   | DOLLOWIO   |   |  |
|   | 7107   | The state of the s | S Received  | BS&W (%)   |
| and Guage   |  | BS&W/BB  | Free Water  | BS&W (%)   |
| Ond Guage Coceived  |  | BS&W/BB  | Free Water<br>al Received   |  |
| Ond Guage Coceived  | (circle one): ACCEPTED   | BS&W/BB  | Free Water  |  |
| Grid Guage Coceived   | (circle one) ACCEPTED  | BS&W/BB  | Free Water<br>al Received   | BS&W (%)   |

(PLEASE PRINT) \*REQUIRED INFORMATION\*

| Company | Man | Contact | Information |
|---------|-----|---------|-------------|
| Name    | 117 | 3011 19 | 141 10      |

Gold- RETURN TO GENERATOR

Pink- GENERATOR SITE COPY

| 2000  |     | - |  |  |
|-------|-----|---|--|--|
| Phone | No. |   |  |  |

| MANIBORNEHTAL  | Phone No  |
|--|---|
| Page   | GENERATOR NO. HW-764607   |
| Generator Manifest #Generator Name Address   | Location of Origin Lease/Well Name & No. County   |
| City, State, Zip Phone No.   | API No. Rig Name & No. AFE/PO No.  P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | NON-INJECTABLE WATERS  NON-INJECTABLE WATERS  Washout Water (Non-Injectable)  Completion Fluid/Flow Back (Non-Injectable)  Produced Water (Non-Injectable)  Gathering Line Water/Waste (Non-Injectable)  INTERNAL USE ONLY  Truck Washout (exempt waste)  YES  NO  QUANTITY  TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS:  | DRILLING COMPLETION PRODUCTION GATHERING LINES  |
| All non-exempt Other   | NON-EXEMPT E&P Waste/Service Identification and Amount E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.  "please select from Non-Exempt Waste List on back   |
| DISPOSAL QUANTITY  | B - BARRELS L - LIQUID / Y - YARDS E - EACH   |
| Per loar  RCRA NON-EXEMPT: Oil field 40 CFR waste a MSDS  EMERGENCY NON-OILFIELD Emerge  | wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a f basis only) waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the is non-hazardous is attached. (Check the appropriate items as provided) information RCRA Hazardous Waste Analysis Other (Provide Description Below) incy non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste nation and a description of the waste must accompany this form) |
| (PRINT) AUTHORIZED AGENTS SIG  | NATURE DATE SIGNATURE   |
| Transporter's Name Address Phone No. Transporter Ticket #  | TRANSPORTER  Driver's Name Print Name Phone No. Truck No.  was/were picked up at the Generator's site listed above and delivered without incident to the disposal (acility listed below.  |
| SHIPMENT DATE  | DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE   |
| TRUCK TIME STAMP IN:OUT:   | DISPOSAL FACILITY  RECEIVING AREA  Name/No.   |
| Halfway Facility / 6601 Hobbs Hwy US 62/   | NM1-006 Phone No. <u>575-392-6368</u><br>180 Mile Marker 66 Carlsbad, NM 88220  |
| NORM READINGS TAKEN PASS THE PAINT FILTER TEST  Feet  Feet   | ? (Circle One) YES NO   |
| Feet Foot Guage God Guage God Guage  | Inches  |
| NAME (PRINT)   | BS&W/BBLS Received BS&W (%)  Free Water  Total Received  DENIED If denied, why?  DATE TITLE SIGNATURE   |

White - R360 DRIGINAL

Yellow-TRANSPORTER COPY



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

| Company | Man  | Contact | Inform | nation |
|---------|------|---------|--------|--------|
| Manage  | 1750 |         | Malo   | Kitte  |

| Phone | No. |  |  |
|-------|-----|--|--|

| gotonous   |  |   |  |  | ione ivo   |
|--|--|---|--|--|--|
|  |  | GENER   | ATOR   | NO. H  | N-771927   |
| Generator Manifest #   | STATE OF THE STATE OF  |   | Location of Origin   | MUHEL AND  |  |
|  |  |   | Lease/Well   | 110- 15  |  |
| Senerator Name   |  |   | Name & No.   | MUC AND  |  |
| Address  |  |   | County   |  | The second second  |
|  |  |   | API No.  | On the same of   | CV.60  |
| City, State, Zip   |  |   | Rig Name & No.   | THE RESERVE CASH   | LING WARRING   |
| hone No.   |  |   | AFE/PO No. —   | really spilled a Year  | SCOPINS ASTA   |
| EX   | EMPT E&P Waste/Service Id  | lentification and Amount (r   | place volume next to wast  |  |  |
| Dil Based Muds   | - CONTRACTOR OF  | CTABLE WATERS   |  | OTHER EXEMPT E&P WAST  | E STREAMS  |
| Oil Based Cuttings Water Based Muds  |  | Water (Non-Injectable)  |  |  |  |
| Water Based Cuttings   | Produced 2   | n Fluid/Flow Back (Non-Inject<br>Water (Non-Injectable)                   | able)  | 1211   | 2  |
| Produced Formation Solids  |  | Line Water/Waste (Non-Injection   | ctable)  | 12/1/20  | 10-  |
| ank Bottoms  &P Contaminated Soil  | INTERNAL   | USE ONLY  |  | TOP SOIL & CALICHE SALES   | THE PERSON NAMED IN  |
| Sas Plant Waste  | Truck Was  | shout (exempt waste)  | YES NO   | QUANTITY   | TOP SOIL CALICHE   |
| VASTE GENERATION PROCESS:  | DRILLING   | COMPLETION  | PRODUCTION   | GATHERIN   | G LINES  |
| WASTE GENERATION THOUSES.  |  | NON-EXEMPT E&P Waste/Ser  |  |  |  |
| The second secon | on-exempt E&P waste must be a  | analysed and be below thresh  | old limits for toxicity (TCLP), I  | gnitability, Corrosivity adn React   |  |
| Ion-Exempt Other   |  |   | *please select   | from Non-Exempt Waste List   |  |
| DISPOSAL QUANTITY  | B - BARI   | RELS  | L - LIQUID   | Y - YARDS  | E - EACH   |
| ☐ RCRA NON-EXEMPT:  ☐ EMERGENCY NON-OILFIELD   | 40 CFR 261.21-261.24, or lists waste as non-hazardous is at MSDS Information Emergency non-hazardous, no | ed hazardous waste as define<br>ttached. (Check the appropriat<br>RCRA Ha | ed by 40 CFR, part 261, subpar<br>te items as provided)<br>azardous Waste Analysis<br>an ordered by the Department | t D, as amended. The following  Other (  | itics established in RCRA regulation documentation demonstrating the<br>Provide Description Below)<br>mentation of non-hazardous wast  |
|  |  |   |  |  |  |
| (PRINT) AUTHOBIZED   | AGENTS SIGNATURE   | TDANCE  | THE RESERVE OF THE PERSON NAMED IN   | SIGNATURE  |  |
| ansporter's  |  | TRANSF  | Unich  | D.C.   | District Control   |
| ame  | 18X 20134  |   | Driver's Name  | WHAT BOOK  | elgor -  |
| ddress   |  |   | Print Name   |  |  |
| none No.   |  |   | Phone No.  | 201  |  |
| ansporter Ticket #   |  |   | Truck No   | 44   |  |
| ereby certify that the above named m   | aterial(s) was/were picked up a  | it the Generator's site listed a  | bove and delivered without in  | cident to the disposal facility lis  | ted below.   |
|  |  |   | (1) 1-125  | _ 1/1/2  |  |
| SHIPMENT DATE  | ORIVEITS SIGNAT  | THE RESERVE ASSESSMENT AND ADDRESS.                                       | DELIVERY DATE  |  | /ER'S SIGNATURE  |
| TRUCK TIME ST  | AMP  | DISPOSAL  | FACILITY   | RECEIVII   | NG AREA  |
| IN:OUT   |  |   |  | Name/No.   |  |
| te Name/   | THE STREET   |   |  | Tale to the same of the same o |  |
| rmit No. Halfway Fa  | icility / NM1-006  | 0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                    | Phone No. 57   | 5-392-6368   |  |
| ddress 6601 Hobbs Hy   | vy US 62 / 180 Mile Marker 66 (  | Jarisbad, NW 88220  |  |  |  |
|  |  | ES NO   | If YES, was reading > 50   | micro roentgents? (Circle O  | ne) YES NO   |
| PASS THE PAINT FIL   | TER TEST? (Circle One) Y   | ES NO   |  |  |  |
|  |  | TANK BO   | TOMS   |  |  |
| t Guage Feet   | Inche  | 8   | RS&W/RR  | LS Received  | BS&W (%)   |
| nd Guage   |  |   | 550017,55  | Free Water   |  |
| aceived  |  |   | To   | tal Received   |  |
|  |  |   |  |  |  |
| ereby certify that the above load mat  | erial has been (circle one):   | ACCEPTED  | DENIED If der  | nied, why?   | 1  |
| NAME (PRINT)   | -  | DATE  | TITLE  |  | SIGNATURE  |
| NAME GARALL  |  | Line  | 1114   |  | A CONTRACTOR OF THE CONTRACTOR |

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN 10 GENERATOR

| Compar | ny Man | Contact | Information |  |
|--------|--------|---------|-------------|--|
| Name . | W      | 4116    | EF          |  |

| VIRONAS CALUTANAS CALUTANA |   |   | PLEASE PRINT)   | REQUIRED INFORMAT  | ION* Phone No  | LIZAGEST   |
|--|---|---|---|--|--|--|
| Generator Manifest # 1000  | bourse  | Oll Esmpo   | ENERATOR  Location of O Lease/Well  | rigin  | NO. HW- 75   | 3454   |
| Generator NameAddress  |   |   | Name & No. County API No.   | 8:16ren<br>03699;  | 99 Fed COI   | ky#)   |
| City, State, Zip   |   |   | Rig Name & I AFE/PO No.   | \$50596  | 3648 -   |  |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids  |   | Service Identification and<br>NON-INJECTABLE WATERS<br>Washout Water (Non-Injectal<br>Completion Fluid/Flow Back (<br>Produced Water (Non-Injectal              | ble)<br>Non-Injectable)<br>ble)   |  | or cubic yards) PT E&P WASTE STREAMS   |  |
| Tank Bottoms  E&P Contaminated Soil  Gas Plant Waste   |   | Gathering Line Water/Waste<br>INTERNAL USE ONLY<br>Truck Washout (exempt waste  |   | TOP SOIL & CA  | ALICHE SALES TOP SOIL  | CALICHE  |
| WASTE GENERATION PROCESS:  | ☐ DRILLING  | COMPLET   | TON PR  | ODUCTION   | GATHERING LINES  |  |
| All Non-Exempt Other   | non-exempt E&P waste  | NON-EXEMPT E&P<br>must be analysed and be be  | THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO   | and Amount<br>sity (TCLP), Ignitability, Corrosi<br>ase select from <b>Non-Exemp</b>                             | A STATE OF THE PARTY OF THE PAR |  |
| DISPOSAL QUANTITY  |   | B - BARRELS   | L-LIQUID  | Y - YARDS  |  | - EACH   |
| hereby certify that the above listed meackaged, and is in proper condition to RCRA EXEMPT:  RCRA NON-EXEMPT:  EMERGENCY NON-OILFIELD   | or transportation according transportation according to the per load basis only oil field waste which 40 CFR 261.21-261 waste as non-haza MSDS Information Emergency non-ha | ding to applicable regulation. merated from oil and gas explication ich is non-hazardous that does 24, or listed hazardous waste irdous is attached. (Check the | oration and production operation and production operations as defined by 40 CFR, part appropriate items as provid RCRA Hazardous Waste A at has been ordered by the l | ation and are not mixed with r<br>andards for waste hazardous<br>261, subpart D, as amended. T<br>ad)<br>nalysis | non-exempt waste (R360 Acce<br>by characteristics established<br>The following documentation  Other (Provide Descript  | pts certifications on<br>I in RCRA regulations<br>demonstrating the<br>tion Below) |
| (PRINT) AUTHORIZE  | D AGENTS SIGNATURE  |   | DATE  |  | SIGNATURE  |  |
| ransporter's Name Address Phone No. ransporter Ticket #  |   | lex Thuck   | Driver's Name Print Name Phone No. Truck No.  | 102  | nsal facility listed below   |  |
| SHIPMENT DATE  |   | /ER'S SIGNATURE   | DELIVER   | 3 25 902   | DRIVER'S SIGNATURE   |  |
| TRUCK TIME ST  | AMP   | THE RESERVE THE PERSON NAMED IN   | DSAL FACILITY   |  | RECEIVING AREA   |  |
| ddress 6601 Hobbs H  | SS TAKEN? (Circle O   | ne) YES NO  |   | 575-392-6368<br>ading > 50 micro roentgen  | ts? (Circle One) YES   | NO   |
| Feet   |   |   | IK BOTTOMS  |  |  |  |
| Guage Ceived   |   | Inches  |   | S&W/BBLS Received<br>Free Water<br>Total Received  | BS&W (9  | 6)   |
| PRIVED CERTIFY that the above load management of the PRINTS  | terial has been (circle o   | one): ACCEPTED  | DENIED  | If denied, why?  | SIGNATURE  |  |

|    | Company | Man Contact Information |  |
|----|---------|-------------------------|--|
| ng | Name 🖳  | alker                   |  |

| SOLUTIONS  | _  | 1000   |  |  | Phone No.   |
|--|--|--|--|--|---|
| 8  | Taylin A   | GENE   | RATOR  | NO.                                      | HW- 753453  |
| Generator Manifest #   | 282742 174   | COMPAN   | Lease/Well   |  |   |
| Generator Name   |  |  |  | Bilbren 29 F                             | ed Carry #1   |
| Address  |  |  | County   | 036348400                                | 27  |
| -  |  |  | API No.  | 10-195-97                                | 779   |
| City, State, Zip   |  |  | Rig Name & No.   | LEASTGERE.                               | UR!   |
| Phone No.  | VEMADT CO.D.W.anto/Condoc  | Identification and Amount  | AFE/PO No.   | uto tugo in harrolo or aubio u           | redo)   |
| Oil Based Muds   |  | JECTABLE WATERS  | tpiace volume next to war  | ste type in barrels or cubic y           |   |
| Oil Based Cuttings   | Washou   | ut Water (Non-Injectable)  |  | -  |   |
| Water Based Muds Water Based Cuttings  |  | tion Fluid/Flow Back (Non-Inje<br>ed Water (Non-Injectable)  | ctable)  | 8 11 6                                   | 15  |
| Produced Formation Solids Tank Bottoms   | Gatherin   | ng Line Water/Waste (Non-Inj   | ectable)   | Belly 1                                  | 10001   |
| E&P Contaminated Soil  | The second secon | AL USE ONLY  | 1000   | TOP SOIL & CALICHE SALE                  |   |
| Gas Plant Waste  |  | /ashout (exempt waste)   | YES NO   | QUANTITY                                 | TOP SOIL CALICHE  |
| WASTE GENERATION PROCESS:  | DRILLING   | COMPLETION   | PRODUCTIO  | N GATHER                                 | ING LINES   |
| All n  | non-exempt E&P waste must b  |  | ervice Identification and Amo<br>shold limits for toxicity (TCLP)  | unt<br>Ignitability, Corrosivity adn Res | etivity   |
| Non-Exempt Other   |  |  | *please selec  | t from Non-Exempt Waste Li               | st on back  |
| DISPOSAL QUANTITY  | B - 8/   | ARRELS   | L - LIQUID   | 20 Y-YARDS                               | E - EACH  |
| RCRA NON-EXEMPT:   | 40 CFR 261.21-261.24, or li  | isted hazardous waste as define<br>attached. (Check the appropri   | ned by 40 CFR, part 261, subp  | art D, as amended. The followin          | ristics established in RCRA regulations<br>g documentation demonstrating the<br>(Provide Description Below) |
| EMERGENCY NON-DILFIELD  (PRINT) AUTHORIZED   |  | ption of the waste must accor  |  | nt of Public Safety (the order, do       | cumentation of non-hazardous waste  |
| The state of the s |  | The second second second   | PORTER   |  |   |
| ransporter's<br>Jame   | The man  | There  | Driver's Name  | Poter                                    |   |
| ddress   | X 2 72 5 4 8   | Tion Die   | Print Name   |  |   |
| hone No.   |  |  | Phone No.  |  |   |
| ransporter Ticket #  |  |  | Truck No   | 102                                      |   |
| nereby certify that the above named m  | naterial(s) was/were picked up   | at the Generator's site listed   | above and delivered without  | incident to the disposal facility        | isted below   |
| SHIPMENT DATE  | DRIVER'S SIGN  | parties and the same of the sa | DELIVERY DATE  | 0  | RIVER'S SIGNATURE   |
| TRUCK TIME ST.   | AMP  | DISPOSA  | L FACILITY   | RECEIV                                   | ING AREA  |
| IN: OUT  |  |  |  | Name/No.                                 | \   |
| e Name/  | and successive to  |  |  | -0.0E 2000                               |   |
| rmit No. Halfway Fa  | ocility / NM1-006<br>vy US 62 / 180 Mile Marker 60   | C.CI-L- J. NIM 00000   | Phone No. 5  | 75-392-6368                              |   |
|  |  |  |  |  |   |
| U.D. 456555555555555555555555  |  | YES NO   | If YES, was reading > 5  | 50 micro roentgents? (Circle             | One) YES NO   |
|  |  |  | OTTOMS   |  |   |
| Guage Feet   | Inc  | hes  | TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWN | BLS Received                             | BS&W (%)  |
| d Guage  |  |  | DSQ.VV/DI  | Free Water                               | DOGGY (70)  |
| ceived   |  |  | To   | otal Received                            | 7   |
| reby certify that the above load mate  | erial has been (circle one):   | ACCEPTED   | DENIED \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  | enied, why?                              |   |
|  | 1000   | 10111  | 3(34)  |  | COLUMN  |
| NAME (PRINT)   |  | DATE   | TITLE  |  | SIGNATURE   |
| 138  | White - R360 ORIGINAL  | Yellow-TRANSPORTER C   | OPY Pink- GENERATOR  | SITE COPY Gold- RETURN                   | TO GENERATOR  |

|     | Company | Man | Contact | Information |
|-----|---------|-----|---------|-------------|
| F01 | Name _  | W   | alk     | 22          |

| 3550  |   |   |  |                   |  | Name  | 1 1100                |
|---|---|---|--|-------------------|--|---|-----------------------|
| SULITIONS   |   | (PLEAS  | E PRINT)                                       | *REQUIRE          | D INFORMATI  | Phone No  |                       |
| 200   |   | GENE  | RATOR  |                   |  | NO. HW- 753   | MEO                   |
| Generator Manifest #  | backne B  | - Company   | Location o                                     |                   |  |   | MOZ                   |
| Generator Name  |   |   | Lease/We<br>Name & N                           |                   | ilber  | 29 Fal < 011  | v #1                  |
| Address   |   |   | County   | 2                 | 30238  | 1007  |                       |
|   |   |   | API No.  | (3)               | 0-035  | - 27779   |                       |
| City, State, Zip ———————————————————————————————————  |   |   | Rig Name<br>AFE/PO N                           |                   | 50595  | ES 48   |                       |
| DATE OF THE PARTY | XEMPT E&P Waste/Servi                                 | ce Identification and Amount  | 100000000000000000000000000000000000000        |                   | type in barrels  | or cubic yards)   |                       |
| Oil Based Muds Oil Based Cuttings   | NON-  | INJECTABLE WATERS   |  |                   |  | T E&P WASTE STREAMS   |                       |
| Water Based Muds  | Comp  | nout Water (Non-Injectable)<br>pletion Fluid/Flow Back (Non-Inje  | ctable)  |                   |  | 173   |                       |
| Water Based Cuttings Produced Formation Solids  |   | ced Water (Non-Injectable)<br>pring Line Water/Waste (Non-Inj   | ectable)                                       |                   | Belly  | Damp  |                       |
| Tank Bottoms<br>E&P Contaminated Soil   | INTER   | RNAL USE ONLY   |  |                   | TOP SOIL & CAI   | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED |                       |
| Gas Plant Waste   |   | Washout (exempt waste)  | YES  | NO                | QUANTITY   | TOP SOIL  | CALICHE               |
| WASTE GENERATION PROCESS:   | DRILLING  | COMPLETION  |  | PRODUCTION        |  | GATHERING LINES   |                       |
| All   | on-exempt E&P waste must                              | NON-EXEMPT E&P Waste/S<br>t be analysed and be below thre:  |  |                   |  | ity adn Beactivity.   |                       |
| Non-Exempt Other  |   |   | AND DESCRIPTION OF THE PERSON NAMED IN         |                   | THE RESERVE AND PERSONS ASSESSMENT OF THE PE | Waste List on back  |                       |
| DISPOSAL QUANTITY   | В-  | BARRELS   | L-LIQUID                                       |                   | 10 Y - YARDS   | E-E   | ACH                   |
| hereby certify that the above listed m  |   |   | Part 261 or any                                | applicable state  | law. That each wa  | ste has been properly describe  | d, classified and     |
| ackaged, and is in proper condition fo<br>RCRA EXEMPT:  |   | o applicable regulation.<br>ad from oil and gas exploration a   | and production o                               | poration and are  | not mixed with no  | on avernot waste (R360 Accent   | e cortifications on a |
| A none exemity  | per load basis only)                                  | o tront on and gas exploration a  | ma production c                                | peration and are  | HOLIHIYOO MINI HE  | in-exempt waste (nado Accept  | s cerunications on a  |
| RCRA NON-EXEMPT:  | Oil field waste which is a<br>40 CFR 261 21-261 24, o | non-hazardous that does not exc<br>r listed hazardous waste as defir  | eed the minimu                                 | m standards for v | waste hazardous b  | y characterístics established in<br>ne following documentation de   | RCRA regulations,     |
| ,   | waste as non-hazardous                                | is attached. (Check the appropri  | ate items as pro                               | ovided)           | -1 -2  | _   | . 200 - 100           |
| ☐ EMERGENCY NON-DILFIELD  | MSDS Information                                      | us, non-oilfield waste that has be  | Hazardous Was                                  |                   | f Poblic Safety (th  | Other (Provide Description of con-  |                       |
| contracted their our reco   |   | cription of the waste must accom  |  |                   | Trubic Surety (a)  | o order, documentation of that  | ilacaroona waato      |
| (PRINT) AUDIORIZE   | D AGENTS SIGNATURE                                    |   | ATE  |                   |  | SIGNATURE   |                       |
| W INCH PROTESTICAL  | , Addition and Addition                               | THE RESERVE TO SHARE THE PARTY OF THE PARTY | PORTER   |                   |  | UKUTA GILE  |                       |
| ransporter's<br>lame  | Tex mas   | x Tracking  | Driver's Na                                    |                   |  | 1   |                       |
| ddress  |   |   | Print Name                                     |                   |  |   |                       |
| hone No.  |   |   | Phone No.                                      | -                 | 01.8   |   |                       |
| ransporter Ticket #<br>nereby certify that the above named m  | naterial(s) was/were picked                           | up at the Generator's site listed   | Truck No.<br>above and deliv                   | ered without inc  | ident to the dispos  | al facility listed below  |                       |
|   | 7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1               |   | 6  | 13 9              | - Work   | a Delette   |                       |
| SHIPMENT DATE TRUCK TIME ST.  | DRIVER'S SI   | THE RESERVE OF THE PERSON NAMED IN  | THE RESERVE AND ADDRESS OF THE PERSON NAMED IN | IVERY DATE        |  | DRIVER'S SIGNATURE  |                       |
| IN:OUT  |   | DISPOSAL  | LFAUILI  | 11                | Nama/Na  | RECEIVING AREA  |                       |
|   |   |   |  | L                 | Name/No  |   | _                     |
|   | ncility / NM1-006                                     |   | Phone No.                                      | 575-              | -392-6368  |   |                       |
| ddress 6601 Hobbs Hv  | vy US 62 / 180 Mile Marker                            | 66 Carlsbad, NM 88220   |  |                   |  |   |                       |
| の表示が表示に対しました。<br>を表示が表示しました。<br>を表示を表示しました。<br>を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を表示を   | S TAKEN? (Circle One)                                 | YES NO  | If YES, wa                                     | s reading > 50 i  | micro roentgents   | ? (Circle One) YES  | NO                    |
| PASS THE PAINT FIL  | TER TEST? (Circle One)                                | YES NO  |  |                   |  |   |                       |
| Feat  | 1.  | TANK BO   | OTTOMS   |                   |  |   |                       |
| Guage   |   | MINO  |  | BS&W/BBLS         |  | BS&W (%)  |                       |
| Guage eived   |   |   |  |                   | ree Water  |   | "                     |
|   |   |   |  |                   | Received   |   |                       |
| ereby certify that the above load mate  | erial has been (circle one):                          | ACCEPTED  | DENIED   | If denie          | ed, why?   |   |                       |

Released to Imaging: 9/10/2025 3:33:37 PM

White - R360 ORIGINAL

NAME (PRINT)

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

SIGNATURE



| Comp | any | Man | Contact | Information |
|------|-----|-----|---------|-------------|
| Name | 1   | 0.1 | Wo      | HAR         |

| 0.0  |  |  |  |  |
|--|--|--|--|--|
| Page   | 1  | GENERATOR  | NO.  | W: 753451  |
| Generator Manifest #   | 10 Ulbe 811 Cs   | Location of Origin<br>Lease/Well   | DITOREY  | y reacony  |
| Generator Name   |  | Name & No.   | MOG 106  | A. C.  |
| Address  |  | County   | 03 < 228400  | 7  |
| City, State, Zip   |  | API No. Rig Name & No.   | 130-030-21   | 114  |
| Phone No.  |  | AFE/PO No.   | 95059535   | 48   |
|  | XEMPT E&P Waste/Service Identification   | n and Amount (place volume next to w   | aste type in barrels or cubic ya   | rds)   |
| Oil Based Muds Oil Based Cuttings  | NON-INJECTABLE WA Washout Water (Non-  | The state of the s | OTHER EXEMPT E&P WAS   | TE STREAMS   |
| Water Based Muds   | Completion Fluid/Flow  | Back (Non-Injectable)  |  |  |
| Water Based Cuttings<br>Produced Formation Solids  | Produced Water (Non-<br>Gathering Line Water)  | Injectable) Waste (Non-Injectable)   | - Belly Di   | ym P   |
| Tank Bottoms<br>E&P Contaminated Soil  | INTERNAL USE ONLY  |  | TOP SOIL & CALICHE SALES   |  |
| Gas Plant Waste  | Truck Washout (exemp   |  | QUANTITY   | TOP SOIL CALICHE   |
| WASTE GENERATION PROCESS:  | ☐ DRILLING ☐ COI   | MPLETION PRODUCTI  | ON GATHERII  | NG LINES   |
| All  | NON-EXEMP<br>non-exempt E&P waste must be analysed and   | TE&P Waste/Service Identification and Am<br>I be below threshold limits for toxicity (TCLI   | ount<br>P), Ignitability, Corrosivity ado Read   | ntivity  |
| Non-Exempt Other   |  |  | ect from Non-Exempt Waste Lis  |  |
| DISPOSAL QUANTITY  | B - BARRELS  | L - LIQUID   | 26 Y - YARDS   | E - EACH   |
| packaged, and is in proper condition for RCRA EXEMPT:  RCRA NON-EXEMPT:  | per load basis only) Oil field waste which is non-hazardous th   | lation.<br>as exploration and production operation and<br>at does not exceed the minimum standards<br>s waste as defined by 40 CFR, part 261, sub  | f are not mixed with non-exempt w<br>for waste hazardous by characteri<br>part D, as amended. The following  | vaste (R360 Accepts certifications on a stics established in RCRA regulations, |
| EMERGENCY NON-OILFIELD  (PRINT) AUTHORIZE  | Emergency non-hazardous, non-oilfield wa<br>determination and a description of the wa<br>D AGENTS SIGNATURE  | aste that has been ordered by the Department accompany this form)  DATE  | ent of Public Safety (the order, doc   | umentation of non-hazardous waste  |
|  | The state of the s |  |  |  |
|  |  | TRANSPORTER  | and the second   |  |
|  | Tex Mex True   | TRANSPORTER  Driver's Name   | Peter  |  |
| Name Address   | Tex Mex True   | Driver's Name Print Name   | Pater  |  |
| Name Address Phone No.   | Tex Mex True   | Driver's Name Print Name Phone No.   | Pater  |  |
| Name Address Phone No.  Iransporter Ticket #   | naterial(s) was/were picked up at the Genera   | Driver's Name Print Name Phone No. Truck No.   | t incident to the disposal facility li   | sted below   |
| Name Address Phone No. Transporter Ticket #  |  | Driver's Name Print Name Phone No. Truck No. tor's site listed above and delivered withou  | 13 Willes To   | sted below.  |
| Name Address Phone No.  Transporter Ticket # hereby certify that the above named n   | DRIVER'S SIGNATURE   | Driver's Name Print Name Print No. Truck No. tor's site listed above and delivered withou  | 75 Willes Th   | VEN'S SIGNATURE  |
| Name Address Phone No. Transporter Ticket # hereby certify that the above named n  | DRIVER'S SIGNATURE  DI   | Driver's Name Print Name Phone No. Truck No. tor's site listed above and delivered withou  | 75 Willes Th   | fresher -  |
| Name Address Phone No.  Transporter Ticket #  Thereby certify that the above named in  SHIPMENT DATE  TRUCK TIME ST  IN:OUT  | DRIVER'S SIGNATURE  TAMP  DI   | Driver's Name Print Name Print Name Phone No. Truck No. tor's site listed above and delivered withou  DELIVERY DATE  SPOSAL FACILITY   | RECEIVI<br>Name/No.  | VEN'S SIGNATURE  |
| Name Address Phone No. Iransporter Ticket # hereby certify that the above named in SHIPMENT DATE  TRUCK TIME ST IN:OUT   | TAMP DI  | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered withou  DELIVERY DATE  SPOSAL FACILITY  Phone No.   | DR RECEIVI   | VEN'S SIGNATURE  |
| Name Address Phone No. Iransporter Ticket # hereby certify that the above named in SHIPMENT DATE  TRUCK TIME ST IN:OUT   | CAMP DI  Cacility / NM1-006  Ny US 62 / 180 Mile Marker 66 Carlsbad, NM  | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered withou  DELIVERY DATE  SPOSAL FACILITY  Phone No.   | RECEIVI<br>Name/No   | VER'S SIGNATURE NG AREA  |
| Name Address Phone No.  Transporter Ticket #  I hereby certify that the above named in SHIPMENT DATE  TRUCK TIME ST  IN: OUT  The Name/ Transporter Ticket #  Address  Halfway Fa  6601 Hobbs Hy  NORM READING   | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM  GS TAKEN? (Circle One) YES N  | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  DELIVERY DATE  SPOSAL FACILITY  Phone No.  If YES, was reading >   | RECEIVI<br>Name/No.  | VER'S SIGNATURE NG AREA  |
| Name Address Phone No.  Transporter Ticket #  I hereby certify that the above named in SHIPMENT DATE  TRUCK TIME ST  IN: OUT  The Name/ Transporter Ticket #  Address  Halfway Fa  6601 Hobbs Hy  NORM READING   | CAMP  DI  Cacility / NM1-006  Ny US 62 / 180 Mile Marker 66 Carlsbad, NM  SS TAKEN? (Circle One) YES N  TER TEST? (Circle One) YES N   | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  DELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  O If YES, was reading > O   | RECEIVI<br>Name/No   | VER'S SIGNATURE NG AREA  |
| Name Address Phone No.  Transporter Ticket #   | CAMP  DI  Cacility / NM1-006  Ny US 62 / 180 Mile Marker 66 Carlsbad, NM  SS TAKEN? (Circle One) YES N  TER TEST? (Circle One) YES N   | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  DELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  O If YES, was reading > 100  TANK BOTTOMS   | RECEIVI Name/No 575-392-6368 50 micro roentgents? (Circle Co   | VER'S SIGNATURE NG AREA  |
| Name Address Phone No.  Transporter Ticket #   | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM GS TAKEN? (Circle One) YES N TER TEST? (Circle One) YES N  | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  DELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  O If YES, was reading > 100  TANK BOTTOMS   | RECEIVI Name/No 575-392-6368 50 micro roentgents? (Circle O  | VER'S SIGNATURE NG AREA  |
| Name Address Phone No.  Transporter Ticket #  I hereby certify that the above named in the state of the state | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM GS TAKEN? (Circle One) YES N TER TEST? (Circle One) YES N  | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  DELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  If YES, was reading > 0  TANK BOTTOMS   | RECEIVI Name/No 575-392-6368 50 micro roentgents? (Circle 0  | VER'S SIGNATURE  NG AREA  Ine) YES NO  |
| Name Address Phone No.  Transporter Ticket #  Thereby certify that the above named in the state of the state  | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM GS TAKEN? (Circle One) YES N TER TEST? (Circle One) YES N Inches   | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  PELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  If YES, was reading > 0  TANK BOTTOMS  BS&W/6   | RECEIVI Name/No 575-392-6368  50 micro roentgents? (Circle Of the Company o | VER'S SIGNATURE  NG AREA  Ine) YES NO  |
| Name Address Phone No.  Transporter Ticket #  I hereby certify that the above named in the state of the state | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM GS TAKEN? (Circle One) YES N TER TEST? (Circle One) YES N Inches   | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  PELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  If YES, was reading > 0  TANK BOTTOMS  BS&W/6   | RECEIVI Name/No 575-392-6368 50 micro roentgents? (Circle 0  | VER'S SIGNATURE  NG AREA  Ine) YES NO  |
| TRUCK TIME ST IN:OUT The Name/ Prinit No. Halfway Fa 6601 Hobbs Hv NORM READING PASS THE PAINT FILE  Feet TRUCK TIME ST  Halfway Fa 6601 Hobbs Hv  Feet Guage Halfway Fa 6601 Hobbs Hv  Feet Feet  | AMP DI  C:  acility / NM1-006  wy US 62 / 180 Mile Marker 66 Carlsbad, NM GS TAKEN? (Circle One) YES N TER TEST? (Circle One) YES N Inches   | Driver's Name Print Name Print Name Phone No. Truck No.  tor's site listed above and delivered without  PELIVERY DATE  SPOSAL FACILITY  Phone No.  188220  If YES, was reading > 0  TANK BOTTOMS  BS&W/6   | RECEIVI Name/No 575-392-6368  50 micro roentgents? (Circle Of the Company o | VER'S SIGNATURE  NG AREA  Ine) YES NO  |



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Jeremy Reich Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 5/16/2025 12:29:28 PM

# **JOB DESCRIPTION**

MOC LOBO 03 C 2284007

# **JOB NUMBER**

890-8155-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

### **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**

Generated 5/16/2025 12:29:28 PM

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

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

Client: Ensolum

Laboratory Job ID: 890-8155-1

Project/Site: MOC LOBO

SDG: 03 C 2284007

# **Table of Contents**

| Cover Page             | 1  |
|------------------------|----|
| Table of Contents      | 3  |
| Definitions/Glossary   | 4  |
| Case Narrative         | 5  |
| Client Sample Results  | 6  |
| Surrogate Summary      | 14 |
| QC Sample Results      | 15 |
| QC Association Summary | 19 |
| Lab Chronicle          | 22 |
| Certification Summary  | 25 |
| Method Summary         | 26 |
| Sample Summary         | 27 |
| Chain of Custody       | 28 |
| Receipt Checklists     | 29 |

| ь |
|---|

### **Definitions/Glossary**

Job ID: 890-8155-1 Client: Ensolum Project/Site: MOC LOBO

SDG: 03 C 2284007

### **Qualifiers**

**GC VOA** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

### **GC Semi VOA**

Qualifier Qualifier Description

В Compound was found in the blank and sample.

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

**HPLC/IC** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

### **Glossary**

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

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

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

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

Decision Level Concentration (Radiochemistry) DLC

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

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

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

NC Not Calculated

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

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

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

**TNTC** Too Numerous To Count

**Eurofins Carlsbad** 

### Case Narrative

Client: Ensolum Job ID: 890-8155-1 Project: MOC LOBO

**Eurofins Carlsbad** Job ID: 890-8155-1

### Job Narrative 890-8155-1

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
- 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 5/14/2025 9:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

### **GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-110184/33). Evidence of matrix interference is present: therefore, re-extraction and/or re-analysis was not performed.

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

### **Diesel Range Organics**

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: FS 01 (890-8155-1), FS 02 (890-8155-2), FS 03 (890-8155-3), FS 05 (890-8155-4), FS 06 (890-8155-5), FS 08 (890-8155-7), FS 09 (890-8155-8), FS 10 (890-8155-9), (880-58112-A-29-B) and (880-58112-A-29-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-110116 and analytical batch 880-110221 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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 Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110198 and analytical batch 880-110214 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.

The associated samples are: FS 01 (890-8155-1), FS 02 (890-8155-2) and FS 03 (890-8155-3).

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

**Eurofins Carlsbad** 

Lab Sample ID: 890-8155-1

# **Client Sample Results**

Client: Ensolum Job ID: 890-8155-1 Project/Site: MOC LOBO SDG: 03 C 2284007

Client Sample ID: FS 01

Date Collected: 05/13/25 13:01 Date Received: 05/14/25 09:03

Sample Depth: 4'

| Method: SW846 8021B - Volatile  |   |  |  |                                    |                                    |          |  |  |               |
|---|---|--|--|------------------------------------|------------------------------------|----------|--|--|---------------|
| Analyte   | Result  | Qualifier  | RL   | MDL                                | Unit                               | D        | Prepared   | Analyzed   | Dil Fac       |
| Benzene   | <0.00140  | U  | 0.00201  | 0.00140                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   |               |
| Toluene   | <0.00201  | U  | 0.00201  | 0.00201                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| Ethylbenzene  | <0.00109  | U  | 0.00201  | 0.00109                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| m-Xylene & p-Xylene   | <0.00229  | U  | 0.00402  | 0.00229                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| o-Xylene  | < 0.00159   | U  | 0.00201  | 0.00159                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| Xylenes, Total  | <0.00229  | U  | 0.00402  | 0.00229                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| Surrogate   | %Recovery   | Qualifier  | Limits   |                                    |                                    |          | Prepared   | Analyzed   | Dil Fac       |
| 4-Bromofluorobenzene (Surr)   | 121   |  | 70 - 130   |                                    |                                    |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| 1,4-Difluorobenzene (Surr)  | 93  |  | 70 - 130   |                                    |                                    |          | 05/15/25 08:23   | 05/15/25 13:18   | 1             |
| Method: TAL SOP Total BTEX - 1  | Total BTEX Cald   | culation   |  |                                    |                                    |          |  |  |               |
| Analyte   | Result  | Qualifier  | RL   | MDL                                | Unit                               | D        | Prepared   | Analyzed   | Dil Fac       |
| Total BTEX  | <0.00229  | U  | 0.00402  | 0.00229                            | mg/Kg                              |          |  | 05/15/25 13:18   | 1             |
|   | el Range Organ  | ics (DRO) (  |  |                                    | 0 0                                |          |  |  |               |
| :<br>Method: SW846 8015 NM - Diese  | el Range Organ  | ics (DRO) (  | GC)  |                                    |                                    |          |  |  |               |
| •<br>•  | el Range Organ  | ics (DRO) (  |  | MDL                                |                                    | <u>D</u> | Prepared   | Analyzed 05/15/25 12:46  | Dil Fac       |
| Method: SW846 8015 NM - Diese<br>Analyte  | el Range Organ<br>Result  | ics (DRO) (  | GC)  | MDL                                | Unit                               | <u>D</u> | Prepared   |  |               |
| Method: SW846 8015 NM - Diese<br>Analyte  | Result < 15.1   | ics (DRO) (<br>Qualifier   | GC)  RL 49.8   | MDL                                | Unit                               | <u>D</u> | Prepared   |  |               |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH   | el Range Organ Result <   | ics (DRO) (<br>Qualifier   | GC)  RL 49.8   | MDL                                | Unit<br>mg/Kg                      | <u>D</u> | Prepared Prepared  |  |               |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH<br>Method: SW846 8015B NM - Dies  | el Range Organ Result <   | Qualifier Unics (DRO) Qualifier  | GC)  RL 49.8   | MDL<br>15.1                        | Unit<br>mg/Kg                      | <u> </u> |  | 05/15/25 12:46   | 1             |
| Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over  | Result <a href="#"></a> <a href="#"><a href<="" td=""><td>ics (DRO) ( Qualifier U  nics (DRO) Qualifier U</td><td>GC)  RL  49.8  (GC)  RL</td><td>MDL<br/>15.1<br/>MDL<br/>14.5</td><td>Unit<br/>mg/Kg<br/>Unit</td><td><u> </u></td><td>Prepared</td><td>05/15/25 12:46  Analyzed</td><td>Dil Fac</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a> | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  | GC)  RL  49.8  (GC)  RL  | MDL<br>15.1<br>MDL<br>14.5         | Unit<br>mg/Kg<br>Unit              | <u> </u> | Prepared   | 05/15/25 12:46  Analyzed   | Dil Fac       |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics<br>(GRO)-C6-C10   | el Range Organ Result <15.1 sel Range Orga Result <14.5   | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  | (GC)  RL 49.8  (BC)  RL 49.8   | MDL<br>15.1<br>MDL<br>14.5         | Unit mg/Kg  Unit mg/Kg             | <u> </u> | Prepared 05/14/25 11:12  | 05/15/25 12:46  Analyzed  05/15/25 12:46   | Dil Fac       |
| Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)   | el Range Organ Result <15.1 sel Range Orga Result <14.5 <15.1   | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U   | GC)  RL 49.8  (GC)  RL 49.8  49.8                                    | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg       | <u> </u> | Prepared 05/14/25 11:12 05/14/25 11:12   | 05/15/25 12:46  Analyzed  05/15/25 12:46  05/15/25 12:46                                     | Dil Fac 1     |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics<br>(GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28) Oil Range Organics (Over C28-C36)                      | el Range Organ Result <15.1 sel Range Orga Result <14.5 <15.1 <15.1   | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U  U  | GC) RL 49.8  (GC) RL 49.8  49.8                                      | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg | <u> </u> | Prepared 05/14/25 11:12 05/14/25 11:12   | 05/15/25 12:46  Analyzed 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46                        | Dil Fac       |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics<br>(GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28) Oil Range Organics (Over C28-C36) Total TPH            | el Range Organ  | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U  U  Qualifier   | GC) RL 49.8  (GC) RL 49.8  49.8  49.8  49.8                          | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg | <u> </u> | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12                         | Analyzed 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46                         | Dil Fac       |
| Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Total TPH  Surrogate                | Range Organ   Result   <15.1  | ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U  U  Qualifier   | GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8  49.8  Limits                | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg | <u> </u> | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 Prepared                | Analyzed 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 Analyzed | Dil Fac 1 1 1 |
| Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Total TPH  Surrogate 1-Chlorooctane | el Range Organ  | Control (Control (Con | GC)  RL 49.8  49.8  49.8  49.8  49.8  49.8  Limits 70 - 130 70 - 130 | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg | <u> </u> | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 Prepared 05/14/25 11:12 | Analyzed 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 05/15/25 12:46 Analyzed 05/15/25 12:46 | Dil Fac       |

Client Sample ID: FS 02

Date Collected: 05/13/25 13:04 Date Received: 05/14/25 09:03

Sample Depth: 4'

Chloride

| Method: SW846 8021B - Vol | atile Organic Comp | ounds (GC | )       |         |       |   |                |                |         |
|---------------------------|--------------------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Analyte                   | Result             | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                   | <0.00138           | U         | 0.00198 | 0.00138 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| Toluene                   | <0.00198           | U         | 0.00198 | 0.00198 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| Ethylbenzene              | <0.00108           | U         | 0.00198 | 0.00108 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| m-Xylene & p-Xylene       | <0.00226           | U         | 0.00396 | 0.00226 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| o-Xylene                  | <0.00157           | U         | 0.00198 | 0.00157 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| Xylenes, Total            | <0.00226           | U         | 0.00396 | 0.00226 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:39 | 1       |

9.98

0.394 mg/Kg

667

**Eurofins Carlsbad** 

05/15/25 14:10

Lab Sample ID: 890-8155-2

**Matrix: Solid** 

Lab Sample ID: 890-8155-2

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

Client Sample ID: FS 02

Date Collected: 05/13/25 13:04 Date Received: 05/14/25 09:03

Sample Depth: 4'

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 13:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 13:39 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|---|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte   | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX  | <0.00226 | U         | 0.00396 | 0.00226 | mg/Kg |   |          | 05/15/25 13:39 | 1       |  |

| Method: SW846 8015 NM - Diesel Rang | je Organ | ics (DRO) (GC | <b>;</b> ) |      |       |   |          |                |         |
|-------------------------------------|----------|---------------|------------|------|-------|---|----------|----------------|---------|
| Analyte                             | Result   | Qualifier     | RL         | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                           | <15.1    | U             | 49.9       | 15.1 | mg/Kg |   |          | 05/15/25 13:01 | 1       |

| Method: SW846 8015B NM - Dies           | sel Range Orga | nics (DRO) | (GC)     |      |       |   |                |                |         |
|---|----------------|------------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                 | Result         | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5          | U          | 49.9     | 14.5 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 13:01 | 1       |
| Diesel Range Organics (Over<br>C10-C28) | <15.1          | U          | 49.9     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 13:01 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1          | U          | 49.9     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 13:01 | 1       |
| Total TPH                               | <15.1          | U          | 49.9     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 13:01 | 1       |
| Surrogate                               | %Recovery      | Qualifier  | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 137            | S1+        | 70 - 130 |      |       |   | 05/14/25 11:12 | 05/15/25 13:01 | 1       |

| Analyte                                | Result Qualifier    | RL       | MDL Unit | D | Prepared       | Analyzed       | Dil Fac |  |
|--|---------------------|----------|----------|---|----------------|----------------|---------|--|
| Method: EPA 300.0 - Anions, Ion Chroma | atography - Soluble |          |          |   |                |                |         |  |
| o-Terphenyl                            | 143 S1+             | 70 - 130 |          | ( | 05/14/25 11:12 | 05/15/25 13:01 | 1       |  |
| 1-Chioroociane                         | 137 31+             | 70 - 130 |          | ( | J3/14/23 II.IZ | 05/15/25 13.01 | 1       |  |

 Chloride
 6710
 101
 3.99 mg/Kg
 05/15/25 14:17
 10

 Client Sample ID: FS 03
 Lab Sample ID: 890-8155-3

Date Collected: 05/13/25 15:25 Date Received: 05/14/25 09:03

Sample Depth: 4'

| Analyte                     | Result            | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-------------------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138          | U         | 0.00199  | 0.00138 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| Toluene                     | <0.00199          | U         | 0.00199  | 0.00199 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| Ethylbenzene                | <0.00108          | U         | 0.00199  | 0.00108 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| m-Xylene & p-Xylene         | <0.00227          | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| o-Xylene                    | < 0.00157         | U         | 0.00199  | 0.00157 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| Xylenes, Total              | <0.00227          | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| Surrogate                   | %Recovery         | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 118               |           | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94                |           | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 13:59 | 1       |
| Method: TAL SOP Total BTEX  | - Total BTEX Cald | culation  |          |         |       |   |                |                |         |
| Analyte                     | Result            | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX                  | <0.00227          | U         | 0.00398  | 0.00227 | ma/Ka |   |                | 05/15/25 13:59 |         |

**Eurofins Carlsbad** 

**Matrix: Solid** 

2

3

6

8

10

10

Job ID: 890-8155-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03 C 2284007

Client Sample ID: FS 03

Date Collected: 05/13/25 15:25 Date Received: 05/14/25 09:03

Sample Depth: 4'

Lab Sample ID: 890-8155-3

**Matrix: Solid** 

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed Total TPH <15.1 U 50.0 05/15/25 13:16 15.1 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac <14.5 U 50.0 05/14/25 11:12 05/15/25 13:16 Gasoline Range Organics 14.5 mg/Kg (GRO)-C6-C10 <15.1 U 50.0 05/14/25 11:12 05/15/25 13:16 Diesel Range Organics (Over 15.1 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <15.1 U 50.0 15.1 mg/Kg 05/14/25 11:12 05/15/25 13:16 Total TPH <15.1 U 50.0 15.1 mg/Kg 05/14/25 11:12 05/15/25 13:16

Qualifier Surrogate %Recovery Limits Prepared Dil Fac Analyzed 1-Chlorooctane 136 S1+ 70 - 130 05/14/25 11:12 05/15/25 13:16 o-Terphenyl 140 S1+ 70 - 130 05/14/25 11:12 05/15/25 13:16

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit D RL Prepared Analyzed Dil Fac 101 05/15/25 14:24 Chloride 6760 3.98 mg/Kg 10

Client Sample ID: FS 05 Lab Sample ID: 890-8155-4

Date Collected: 05/13/25 15:31 Date Received: 05/14/25 09:03

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Unit D Dil Fac Analyte RLPrepared Analyzed Benzene <0.00140 U 0.00201 0.00140 mg/Kg 05/15/25 08:23 05/15/25 14:20 Toluene <0.00201 U 0.00201 0.00201 05/15/25 08:23 05/15/25 14:20 mg/Kg 05/15/25 14:20 Ethylbenzene <0.00109 U 0.00201 0.00109 mg/Kg 05/15/25 08:23 m-Xylene & p-Xylene <0.00229 U 0.00402 0.00229 ma/Ka 05/15/25 08:23 05/15/25 14:20 o-Xylene <0.00159 U 0.00201 0.00159 mg/Kg 05/15/25 08:23 05/15/25 14:20 Xylenes, Total <0.00229 U 0.00402 0.00229 mg/Kg 05/15/25 08:23 05/15/25 14:20 Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 116 70 - 130 05/15/25 08:23 05/15/25 14:20 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 99 70 - 130 05/15/25 08:23 05/15/25 14:20 Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00229 0.00402 0.00229 05/15/25 14:20 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <15.1 U 49.8 15.1 ma/Ka 05/15/25 13:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL D Analyte Unit Prepared Analyzed Dil Fac Gasoline Range Organics <14.5 U 49.8 05/14/25 11:12 05/15/25 13:30 14.5 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 49.8 15.1 mg/Kg 05/14/25 11:12 05/15/25 13:30 C10-C28) Oil Range Organics (Over C28-C36) <15.1 U 49.8 15.1 mg/Kg 05/14/25 11:12 05/15/25 13:30

**Eurofins Carlsbad** 

**Matrix: Solid** 

# **Client Sample Results**

Client: Ensolum Job ID: 890-8155-1 Project/Site: MOC LOBO SDG: 03 C 2284007

**Client Sample ID: FS 05** 

Date Received: 05/14/25 09:03

Sample Depth: 2'

| lient Sample ID: FS 05        | Lab Sample ID: 890-8155-4 |
|-------------------------------|---------------------------|
| ate Collected: 05/13/25 15:31 | Matrix: Solid             |
| oto Possivada 05/44/25 00:02  |                           |

| Method: SW846 8015B NM - Diese    | i Range Orga | inics (DRO) | (GC) (Continu | ned)  |       |   |                |                |         |
|-----------------------------------|--------------|-------------|---------------|-------|-------|---|----------------|----------------|---------|
| Analyte                           | Result       | Qualifier   | RL            | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                         | <15.1        | U           | 49.8          | 15.1  | mg/Kg |   | 05/14/25 11:12 | 05/15/25 13:30 | 1       |
| Surrogate                         | %Recovery    | Qualifier   | Limits        |       |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 137          | S1+         | 70 - 130      |       |       |   | 05/14/25 11:12 | 05/15/25 13:30 | 1       |
| o-Terphenyl                       | 138          | S1+         | 70 - 130      |       |       |   | 05/14/25 11:12 | 05/15/25 13:30 | 1       |
| Method: EPA 300.0 - Anions, Ion ( | Chromatograp | hy - Solubl | e             |       |       |   |                |                |         |
| Analyte                           | Result       | Qualifier   | RL            | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Chloride                          | 324          |             | 10.1          | 0.399 | mg/Kg |   |                | 05/15/25 14:31 | 1       |

Client Sample ID: FS 06 Lab Sample ID: 890-8155-5 Matrix: Solid

Date Collected: 05/13/25 15:34 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Analyte  | Result   | Qualifier   | RL  | MDL                                | Unit                               | D        | Prepared   | Analyzed   | Dil Fac                      |
|--|--|---|---|------------------------------------|------------------------------------|----------|--|--|------------------------------|
| Benzene  | <0.00141   | U   | 0.00202   | 0.00141                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| Toluene  | <0.00202   | U   | 0.00202   | 0.00202                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| Ethylbenzene   | <0.00110   | U   | 0.00202   | 0.00110                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| m-Xylene & p-Xylene  | <0.00231   | U   | 0.00404   | 0.00231                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| o-Xylene   | < 0.00160  | U   | 0.00202   | 0.00160                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| Xylenes, Total   | <0.00231   | U   | 0.00404   | 0.00231                            | mg/Kg                              |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| Surrogate  | %Recovery  | Qualifier   | Limits  |                                    |                                    |          | Prepared   | Analyzed   | Dil Fac                      |
| 4-Bromofluorobenzene (Surr)  | 113  |   | 70 - 130  |                                    |                                    |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| 1,4-Difluorobenzene (Surr)   | 94   |   | 70 - 130  |                                    |                                    |          | 05/15/25 08:23   | 05/15/25 14:40   | 1                            |
| Method: TAL SOP Total BTEX - 1   | Total BTEX Cald  | culation  |   |                                    |                                    |          |  |  |                              |
| Analyte  | Result   | Qualifier   | RL  | MDL                                | Unit                               | D        | Prepared   | Analyzed   | Dil Fac                      |
| Total BTEX   | <0.00231   | 11  | 0.00404   | 0.00004                            | mg/Kg                              |          |  | 05/15/25 14:40   |                              |
| IOIAI DI LA  | \0.00231   | U   | 0.00404   | 0.00231                            | mg/kg                              |          |  | 05/15/25 14:40   |                              |
| •  |  |   |   | 0.00231                            | mg/Kg                              |          |  | 05/15/25 14:40   | ı                            |
| Method: SW846 8015 NM - Diese<br>Analyte   | el Range Organ   |   |   |                                    | Unit                               | D        | Prepared   | 05/15/25 14:40  Analyzed   | Dil Fac                      |
| :<br>Method: SW846 8015 NM - Diese   | el Range Organ   | ics (DRO) (   | GC)   |                                    | 0 0                                | <u>D</u> | Prepared   |  | ·                            |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH  | Result 18.4  | ics (DRO) (Gualifier                                    | GC)  RL 49.8                                    | MDL                                | Unit                               | <u>D</u> | Prepared   | Analyzed   | Dil Fac                      |
| Method: SW846 8015 NM - Diese<br>Analyte   | el Range Organ Result 18.4 sel Range Orga  | ics (DRO) (Gualifier                                    | GC)  RL 49.8                                    | MDL<br>15.1                        | Unit                               | <u>D</u> | Prepared Prepared  | Analyzed   | Dil Fac                      |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH<br>Method: SW846 8015B NM - Dies   | el Range Organ Result 18.4 sel Range Orga  | ics (DRO) (Qualifier Junics (DRO) Qualifier             | RL 49.8   | MDL<br>15.1                        | Unit<br>mg/Kg                      |          | · ·  | Analyzed 05/15/25 13:45  | Dil Fac                      |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH<br>Method: SW846 8015B NM - Diese<br>Analyte   | el Range Organ Result 18.4 sel Range Orga Result   | ics (DRO) (Qualifier Junics (DRO) Qualifier             | (GC)  | MDL<br>15.1                        | Unit<br>mg/Kg                      |          | Prepared   | Analyzed 05/15/25 13:45 Analyzed   | Dil Fac                      |
| Method: SW846 8015 NM - Diese<br>Analyte<br>Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics   | el Range Organ Result 18.4 sel Range Orga Result   | Qualifier J  nics (DRO) Qualifier U                     | (GC)  | MDL<br>15.1                        | Unit<br>mg/Kg                      |          | Prepared   | Analyzed 05/15/25 13:45 Analyzed   | Dil Fac                      |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28)   | el Range Organ Result 18.4 sel Range Orga Result <a href="mailto:result-state;">result - result - resu</a> | Qualifier J  nics (DRO) Qualifier U                     | (GC)  RL 49.8  49.8  49.8                       | MDL<br>15.1<br>MDL<br>14.5         | Unit mg/Kg  Unit mg/Kg mg/Kg       |          | Prepared 05/14/25 11:12 05/14/25 11:12                               | Analyzed 05/15/25 13:45  Analyzed 05/15/25 13:45 05/15/25 13:45                | Dil Fac  Dil Fac             |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over   | el Range Organ Result 18.4 sel Range Orga Result <a href="mailto:result-state;">result - result - resu</a> | ics (DRO) ( Qualifier J enics (DRO) Qualifier U         | GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8         | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg             |          | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12                | Analyzed 05/15/25 13:45  Analyzed 05/15/25 13:45 05/15/25 13:45 05/15/25 13:45 | Dil Fac  Dil Fac             |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28)   | el Range Organ Result 18.4 sel Range Orga Result <14.5 18.4  | ics (DRO) ( Qualifier J enics (DRO) Qualifier U JB      | (GC)  RL 49.8  49.8  49.8                       | MDL<br>15.1<br>MDL<br>14.5         | Unit mg/Kg  Unit mg/Kg mg/Kg       |          | Prepared 05/14/25 11:12 05/14/25 11:12                               | Analyzed 05/15/25 13:45  Analyzed 05/15/25 13:45 05/15/25 13:45                | Dil Fac  Dil Fac  1          |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28) Oil Range Organics (Over C28-C36)           | el Range Organ Result 18.4 sel Range Orga Result <14.5 18.4 <15.1  | ics (DRO) ( Qualifier J enics (DRO) Qualifier U JB U JB | GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8         | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg |          | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12                | Analyzed 05/15/25 13:45  Analyzed 05/15/25 13:45 05/15/25 13:45 05/15/25 13:45 | Dil Fac  1  Dil Fac  1  1  1 |
| Method: SW846 8015 NM - Diese<br>Analyte Total TPH  Method: SW846 8015B NM - Diese<br>Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over<br>C10-C28) Oil Range Organics (Over C28-C36) Total TPH | el Range Organ Result 18.4 sel Range Orga Result <14.5 18.4 <15.1 18.4   | ics (DRO) ( Qualifier J enics (DRO) Qualifier U JB U JB | GC)  RL  49.8  (GC)  RL  49.8  49.8  49.8  49.8 | MDL<br>15.1<br>MDL<br>14.5<br>15.1 | Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg |          | Prepared 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 05/14/25 11:12 | Analyzed 05/15/25 13:45  Analyzed 05/15/25 13:45 05/15/25 13:45 05/15/25 13:45 | Dil Fac  Dil Fac  1  1  1    |

Lab Sample ID: 890-8155-5

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

Client Sample ID: FS 06

Date Collected: 05/13/25 15:34 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |  |  |
|--|--------|-----------|------|-------|-------|---|----------|----------------|---------|--|--|
| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |  |
| Chloride   | 253    |           | 10.1 | 0.399 | mg/Kg |   |          | 05/15/25 14:52 | 1       |  |  |

Client Sample ID: FS 07

Date Collected: 05/13/25 15:37

Lab Sample ID: 890-8155-6

Matrix: Solid

Date Collected: 05/13/25 15:37 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Analyte                     | Result            | Qualifier    | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-------------------|--------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138          | U            | 0.00199  | 0.00138 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 |         |
| Toluene                     | <0.00199          | U            | 0.00199  | 0.00199 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 | •       |
| Ethylbenzene                | <0.00108          | U            | 0.00199  | 0.00108 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 | •       |
| m-Xylene & p-Xylene         | <0.00227          | U            | 0.00398  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 |         |
| o-Xylene                    | < 0.00157         | U            | 0.00199  | 0.00157 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 | 1       |
| Xylenes, Total              | <0.00227          | U            | 0.00398  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:14 | 1       |
| Surrogate                   | %Recovery         | Qualifier    | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fa  |
| 4-Bromofluorobenzene (Surr) | 126               |              | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 16:14 |         |
| 1,4-Difluorobenzene (Surr)  | 95                |              | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 16:14 | 1       |
| Method: TAL SOP Total BTEX  | - Total BTEX Cald | culation     |          |         |       |   |                |                |         |
| Analyte                     | Result            | Qualifier    | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX                  | <0.00227          | U            | 0.00398  | 0.00227 | mg/Kg |   |                | 05/15/25 16:14 | 1       |
| Method: SW846 8015 NM - Die | sel Range Organ   | ics (DRO) (0 | GC)      |         |       |   |                |                |         |
| Analyte                     | Result            | Qualifier    | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                   | 15.3              | J            | 50.0     | 15.1    | mg/Kg |   |                | 05/15/25 14:00 |         |
| Method: SW846 8015B NM - D  | iesel Range Orga  | nics (DRO)   | (GC)     |         |       |   |                |                |         |
|                             |                   |              | ()       |         |       |   |                |                |         |
| Analyte                     | Result            | Qualifier    | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |
| Diesel Range Organics (Over C10-C28)    | 15.3      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |
| Total TPH                               | 15.3      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 116       |           | 70 - 130 |      |       |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |
| o-Terphenyl                             | 126       |           | 70 - 130 |      |       |   | 05/14/25 11:12 | 05/15/25 14:00 | 1       |

| Method: EPA 300.0 - Anions, Ion Chi | romatography - Soluble |      |             |   |          |                |         |
|-------------------------------------|------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                             | Result Qualifier       | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                            | 367                    | 9.94 | 0.393 mg/Kg |   |          | 05/15/25 15:00 | 1       |

**Eurofins Carlsbad** 

2

3

5

7

0

10

12

Job ID: 890-8155-1

Matrix: Solid

Lab Sample ID: 890-8155-7

05/14/25 11:12

05/15/25 14:15

Client: Ensolum SDG: 03 C 2284007 Project/Site: MOC LOBO

**Client Sample ID: FS 08** 

Date Collected: 05/13/25 15:41 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Analyte                          | Result            | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-------------------|-------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                          | <0.00138          | U           | 0.00198  | 0.00138 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| Toluene                          | <0.00198          | U           | 0.00198  | 0.00198 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| Ethylbenzene                     | <0.00108          | U           | 0.00198  | 0.00108 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| m-Xylene & p-Xylene              | <0.00227          | U           | 0.00397  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| o-Xylene                         | < 0.00157         | U           | 0.00198  | 0.00157 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| Xylenes, Total                   | <0.00227          | U           | 0.00397  | 0.00227 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| Surrogate                        | %Recovery         | Qualifier   | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      |                   |             | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| 1,4-Difluorobenzene (Surr)       | 93                |             | 70 - 130 |         |       |   | 05/15/25 08:23 | 05/15/25 16:35 | 1       |
| -<br>Method: TAL SOP Total BTEX  | - Total BTEX Cald | culation    |          |         |       |   |                |                |         |
| Analyte                          | Result            | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX                       | <0.00227          | U           | 0.00397  | 0.00227 | mg/Kg |   |                | 05/15/25 16:35 | 1       |
| -<br>Method: SW846 8015 NM - Die | esel Range Organ  | ics (DRO) ( | GC)      |         |       |   |                |                |         |
|                                  |                   |             |          |         |       |   |                |                |         |

| Analyte                       | Result         | Qualifier    | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|----------------|--------------|------|------|-------|---|----------------|----------------|---------|
| Total TPH                     | 15.4           | J            | 50.0 | 15.1 | mg/Kg |   |                | 05/15/25 14:15 | 1       |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) ( | GC)  |      |       |   |                |                |         |
| Analyte                       | Result         | Qualifier    | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics       | <14.5          | U            | 50.0 | 14.5 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:15 | 1       |
| (GRO)-C6-C10                  |                |              |      |      |       |   |                |                |         |
| Diesel Range Organics (Over   | 15.4           | JB           | 50.0 | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:15 | 1       |
| C10-C28)                      |                |              |      |      |       |   |                |                |         |

| Total TPH      | 15.4      | JB        | 50.0     | 15.1 mg/Kg | 05/14/25 11:12 | 05/15/25 14:15 | 1       |
|----------------|-----------|-----------|----------|------------|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |            | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane | 136       | S1+       | 70 - 130 |            | 05/14/25 11:12 | 05/15/25 14:15 | 1       |
| o-Terphenyl    | 140       | S1+       | 70 130   |            | 05/14/25 11:12 | 05/15/25 14:15 | 1       |

50.0

15.1 mg/Kg

<15.1 U

| Method: EPA 300.0 - Anions, Ion C | hromatograp | hy - Soluble | 9    |       |       |   |          |                |         |  |
|-----------------------------------|-------------|--------------|------|-------|-------|---|----------|----------------|---------|--|
| Analyte                           | Result      | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                          | 301         |              | 9 92 | 0.392 | ma/Ka |   |          | 05/15/25 15:21 | 1       |  |

Client Sample ID: FS 09 Lab Sample ID: 890-8155-8

Date Collected: 05/13/25 15:44 Date Received: 05/14/25 09:03

Oil Range Organics (Over C28-C36)

Sample Depth: 2'

| Method: SW846 8021B - Volatile Organic Compounds (GC) |          |           |         |         |       |   |                |                |         |  |
|---|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|--|
| Analyte   | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene   | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |
| Toluene   | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |
| Ethylbenzene  | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |
| o-Xylene  | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |
| Xylenes, Total  | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 16:55 | 1       |  |

**Eurofins Carlsbad** 

**Matrix: Solid** 

Lab Sample ID: 890-8155-8

Lab Sample ID: 890-8155-9

**Matrix: Solid** 

Job ID: 890-8155-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03 C 2284007

Client Sample ID: FS 09

Date Collected: 05/13/25 15:44 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Surrogate                   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115                 | 70 - 130 | 05/15/25 08:23 | 05/15/25 16:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96                  | 70 - 130 | 05/15/25 08:23 | 05/15/25 16:55 | 1       |

| Analyte    |            | Qualifier | RL      | MDL     | Unit  | D | ) [ | Prepared | Analyzed       | Dil Fac |
|------------|------------|-----------|---------|---------|-------|---|-----|----------|----------------|---------|
| Total BTEX | <0.00229 U | J         | 0.00400 | 0.00229 | mg/Kg |   |     |          | 05/15/25 16:55 | 1       |

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.2  | U         | 50.1 | 15.2 | mg/Kg |   |          | 05/15/25 14:30 | 1       |

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

| Analyte                                 | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.6  | U         | 50.1 | 14.6 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:30 | 1       |
| Diesel Range Organics (Over<br>C10-C28) | <15.2  | U         | 50.1 | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:30 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.2  | U         | 50.1 | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:30 | 1       |
| Total TPH                               | <15.2  | U         | 50.1 | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:30 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 137       | S1+       | 70 - 130 | 05/14/25 11:12 | 05/15/25 14:30 | 1       |
| o-Terphenyl    | 140       | S1+       | 70 - 130 | 05/14/25 11:12 | 05/15/25 14:30 | 1       |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 169    |           | 9.96 | 0.393 | mg/Kg |   |          | 05/15/25 15:28 | 1       |

**Client Sample ID: FS 10** 

Date Collected: 05/13/25 15:46 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Method: SW846 8021B - Vola | itile Organic Compounds (GC) |     |          |
|----------------------------|------------------------------|-----|----------|
| A I 4 -                    | DII O                        | DI. | MDI IIi4 |

| Analyte             | Result    | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138  | U         | 0.00198 | 0.00138 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| Toluene             | <0.00198  | U         | 0.00198 | 0.00198 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| Ethylbenzene        | <0.00108  | U         | 0.00198 | 0.00108 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| m-Xylene & p-Xylene | <0.00226  | U         | 0.00396 | 0.00226 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| o-Xylene            | <0.00157  | U         | 0.00198 | 0.00157 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| Xylenes, Total      | <0.00226  | U         | 0.00396 | 0.00226 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| Surrogate           | %Recovery | Qualifier | Limits  |         |       |   | Prepared       | Analyzed       | Dil Fac |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 17:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 17:16 | 1       |

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00226 | U         | 0.00396 | 0.00226 | mg/Kg |   | _        | 05/15/25 17:16 | 1       |

Lab Sample ID: 890-8155-9

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

Client Sample ID: FS 10

Date Collected: 05/13/25 15:46 Date Received: 05/14/25 09:03

Sample Depth: 2'

| Method: SW846 8015 NM - Diesel I | Range Organ | ics (DRO) (0 | SC)  |      |       |   |          |                |         |
|----------------------------------|-------------|--------------|------|------|-------|---|----------|----------------|---------|
| Analyte                          | Result      | Qualifier    | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                        | <15.2       | U            | 50.3 | 15.2 | mg/Kg |   |          | 05/15/25 14:45 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.6     | U         | 50.3     | 14.6 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.2     | U         | 50.3     | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.2     | U         | 50.3     | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |
| Total TPH                               | <15.2     | U         | 50.3     | 15.2 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 134       | S1+       | 70 - 130 |      |       |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |
| o-Terphenyl                             | 137       | S1+       | 70 - 130 |      |       |   | 05/14/25 11:12 | 05/15/25 14:45 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatography - Soluble |      |             |   |          |                |         |
|-----------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 256                     | 9.94 | 0.393 mg/Kg |   |          | 05/15/25 15:35 | 1       |

**Eurofins Carlsbad** 

2

3

7

9

11

12

1/

# **Surrogate Summary**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

|                     |                        | BFB1     | DFBZ1    | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
| Lab Sample ID       | Client Sample ID       | (70-130) | (70-130) |  |
| 890-8155-1          | FS 01                  | 121      | 93       |  |
| 890-8155-2          | FS 02                  | 114      | 97       |  |
| 890-8155-3          | FS 03                  | 118      | 94       |  |
| 890-8155-4          | FS 05                  | 116      | 99       |  |
| 890-8155-5          | FS 06                  | 113      | 94       |  |
| 890-8155-6          | FS 07                  | 126      | 95       |  |
| 890-8155-7          | FS 08                  | 117      | 93       |  |
| 890-8155-8          | FS 09                  | 115      | 96       |  |
| 890-8155-9          | FS 10                  | 118      | 94       |  |
| 890-8159-A-1-E MS   | Matrix Spike           | 119      | 100      |  |
| 890-8159-A-1-F MSD  | Matrix Spike Duplicate | 113      | 99       |  |
| LCS 880-110187/1-A  | Lab Control Sample     | 114      | 101      |  |
| LCSD 880-110187/2-A | Lab Control Sample Dup | 111      | 101      |  |
|                     | Method Blank           | 106      | 90       |  |

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

DFBZ = 1,4-Difluorobenzene (Surr)

Matrix: Solid Prep Type: Total/NA

|                      |                        |          |          | Percent Surrogate Recovery (Acceptance Limits) |
|----------------------|------------------------|----------|----------|--|
|                      |                        | 1CO1     | OTPH1    |  |
| Lab Sample ID        | Client Sample ID       | (70-130) | (70-130) |  |
| 880-58112-A-29-C MS  | Matrix Spike           | 136 S1+  | 133 S1+  |  |
| 880-58112-A-29-D MSD | Matrix Spike Duplicate | 118      | 118      |  |
| 890-8155-1           | FS 01                  | 140 S1+  | 143 S1+  |  |
| 890-8155-2           | FS 02                  | 137 S1+  | 143 S1+  |  |
| 890-8155-3           | FS 03                  | 136 S1+  | 140 S1+  |  |
| 890-8155-4           | FS 05                  | 137 S1+  | 138 S1+  |  |
| 890-8155-5           | FS 06                  | 137 S1+  | 144 S1+  |  |
| 890-8155-6           | FS 07                  | 116      | 126      |  |
| 890-8155-7           | FS 08                  | 136 S1+  | 140 S1+  |  |
| 890-8155-8           | FS 09                  | 137 S1+  | 140 S1+  |  |
| 890-8155-9           | FS 10                  | 134 S1+  | 137 S1+  |  |
| LCS 880-110116/2-A   | Lab Control Sample     | 113      | 113      |  |
| LCSD 880-110116/3-A  | Lab Control Sample Dup | 97       | 98       |  |
| MB 880-110116/1-A    | Method Blank           | 98       | 99       |  |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-8155-1 Project/Site: MOC LOBO SDG: 03 C 2284007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110187/5-A

**Matrix: Solid** 

Analysis Batch: 110184

Client Sample ID: Method Blank

Prep Batch: 110187

Prep Type: Total/NA

|                     | IVID     | IVID      |         |         |       |   |                |                |         |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
|                     |          |           |         |         |       |   |                |                |         |

MB MB

MD MD

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 11:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 05/15/25 08:23 | 05/15/25 11:15 | 1       |

Lab Sample ID: LCS 880-110187/1-A

**Matrix: Solid** 

Analysis Batch: 110184

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 110187

|                     | Spike | LCS     | LCS       |       |   |      | %Rec     |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene             | 0.100 | 0.08833 |           | mg/Kg |   | 88   | 70 - 130 |  |
| Toluene             | 0.100 | 0.09677 |           | mg/Kg |   | 97   | 70 - 130 |  |
| Ethylbenzene        | 0.100 | 0.1018  |           | mg/Kg |   | 102  | 70 - 130 |  |
| m-Xylene & p-Xylene | 0.200 | 0.2046  |           | mg/Kg |   | 102  | 70 - 130 |  |
| o-Xylene            | 0.100 | 0.1025  |           | mg/Kg |   | 103  | 70 - 130 |  |
|                     |       |         |           |       |   |      |          |  |

LCS LCS

| Surrogate                   | %Recovery | Qualifier | Limits   |  |
|-----------------------------|-----------|-----------|----------|--|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |  |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |  |

Lab Sample ID: LCSD 880-110187/2-A

**Matrix: Solid** 

Analysis Batch: 110184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110187

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.08837 mg/Kg 88 70 - 130 0 35 Toluene 0.100 0.09547 mg/Kg 95 70 - 130 35 Ethylbenzene 0.100 0.1002 mg/Kg 100 70 - 130 2 35 m-Xylene & p-Xylene 0.200 0.2008 mg/Kg 100 70 - 130 35 0.100 0.1009 o-Xylene mg/Kg 101 70 - 130 35

LCSD LCSD

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |
| 1.4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |

Lab Sample ID: 890-8159-A-1-E MS

**Matrix: Solid** 

Analysis Batch: 110184

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

Prep Batch: 110187

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits <0.00139 U 0.100 70 - 130 Benzene 0.08884 mg/Kg 89 Toluene <0.00200 U 0.100 0.09586 mg/Kg 96 70 - 130

**Eurofins Carlsbad** 

Client: Ensolum Project/Site: MOC LOBO

Job ID: 890-8155-1 SDG: 03 C 2284007

Prep Type: Total/NA

Client Sample ID: Matrix Spike

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

Lab Sample ID: 890-8159-A-1-E MS

Analysis Batch: 110184

**Matrix: Solid** 

| Analysis Batch: 110184 |          |           |       |         |           |       |   |      | Prep     | Batch: 110187 |
|------------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|---------------|
|                        | Sample   | Sample    | Spike | MS      | MS        |       |   |      | %Rec     |               |
| Analyte                | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |               |
| Ethylbenzene           | <0.00109 | U         | 0.100 | 0.09975 |           | mg/Kg |   | 100  | 70 - 130 |               |
| m-Xylene & p-Xylene    | <0.00228 | U         | 0.200 | 0.1992  |           | mg/Kg |   | 100  | 70 - 130 |               |
| o-Xylene               | <0.00158 | U         | 0.100 | 0.09961 |           | mg/Kg |   | 100  | 70 - 130 |               |

MS MS

| Surrogate                   | %Recovery 0 | Qualifier | Limits   |  |
|-----------------------------|-------------|-----------|----------|--|
| 4-Bromofluorobenzene (Surr) | 119         |           | 70 - 130 |  |
| 1,4-Difluorobenzene (Surr)  | 100         |           | 70 - 130 |  |

Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

Analysis Batch: 110184

Lab Sample ID: 890-8159-A-1-F MSD

Prep Type: Total/NA

Prep Batch: 110187

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 Benzene <0.00139 U 0.08555 mg/Kg 86 70 - 130 4 35 0.09178 92 Toluene <0.00200 U 0.100 mg/Kg 70 - 130 4 35 Ethylbenzene <0.00109 U 0.100 0.09572 96 70 - 130 35 mg/Kg 0.200 0.1913 96 70 - 130 35 m-Xylene & p-Xylene <0.00228 U mg/Kg 0.100 <0.00158 U 0.09554 96 70 - 130 o-Xylene mg/Kg

MSD MSD

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |

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

Lab Sample ID: MB 880-110116/1-A

**Matrix: Solid** 

Analysis Batch: 110221

| Client | Samr | ID:     | Method  | Rlank  |
|--------|------|---------|---------|--------|
| Cilent | Same | טו אונ. | Metrioa | DIAIIK |

Prep Type: Total/NA

**Prep Batch: 110116** 

MR MR

| ı |                                   | IND    | 1110      |      |      |       |   |                |                |         |
|---|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|   | Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|   | Gasoline Range Organics           | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 07:47 | 1       |
|   | (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
|   | Diesel Range Organics (Over       | 19.36  | J         | 50.0 | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 07:47 | 1       |
|   | C10-C28)                          |        |           |      |      |       |   |                |                |         |
|   | Oil Range Organics (Over C28-C36) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 07:47 | 1       |
|   | Total TPH                         | 19.36  | J         | 50.0 | 15.1 | mg/Kg |   | 05/14/25 11:12 | 05/15/25 07:47 | 1       |
|   |                                   |        |           |      |      |       |   |                |                |         |

мв мв

| Surrogate      | %Recovery | Qualifier | Limits   | Prep    | pared    | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|---------|----------|----------------|---------|
| 1-Chlorooctane | 98        |           | 70 - 130 | 05/14/2 | 25 11:12 | 05/15/25 07:47 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 05/14/2 | 25 11:12 | 05/15/25 07:47 | 1       |

Lab Sample ID: LCS 880-110116/2-A

**Matrix: Solid** 

Analysis Batch: 110221

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

Prep Batch: 110116

LCS LCS Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec Gasoline Range Organics 1000 965.7 mg/Kg 97 70 - 130

(GRO)-C6-C10

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

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

Lab Sample ID: LCS 880-110116/2-A

Matrix: Solid

Analysis Batch: 110221

Spike LCS LCS

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

Prep Batch: 110116

|                             | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Diesel Range Organics (Over | 1000  | 1051   |           | mg/Kg |   | 105  | 70 - 130 |  |
| C10-C28)                    |       |        |           |       |   |      |          |  |

C10-C28)

|                | LUS       | LUS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 _ 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: LCSD 880-110116/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 110221

Prep Batch: 110116

Spike LCSD LCSD RPD %Rec Result Qualifier Limit Analyte Added Unit %Rec Limits RPD 1000 823.1 82 70 - 130 20 Gasoline Range Organics mg/Kg 16 (GRO)-C6-C10 Diesel Range Organics (Over 1000 896.5 mg/Kg 90 70 - 130 16 20 C10-C28)

Surrogate LCSD LCSD Surrogate %Recovery Qualifier Limits

 3arrogate
 26 Recovery
 Qualifier
 Elimits

 1-Chlorooctane
 97
 70 - 130

 o-Terphenyl
 98
 70 - 130

Lab Sample ID: 880-58112-A-29-C MS

Matrix: Solid

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

Analysis Batch: 110221 Prep Batch: 110116

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <14.4 U Gasoline Range Organics 1000 973.6 mg/Kg 97 70 - 130 (GRO)-C6-C10 16.8 JB 1000 924.1 91 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

MS MS

|                | IVIS      | IVIS      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 136       | S1+       | 70 - 130 |
| o-Terphenyl    | 133       | S1+       | 70 - 130 |

Lab Sample ID: 880-58112-A-29-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 110221

Prep Batch: 110116

Prep Batch: 110116

|                             | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec     |     | RPD   |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                     | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics     | <14.4  | U         | 1000  | 853.3  |           | mg/Kg |   | 85   | 70 - 130 | 13  | 20    |
| (GRO)-C6-C10                |        |           |       |        |           |       |   |      |          |     |       |
| Diesel Range Organics (Over | 16.8   | JB        | 1000  | 807.4  |           | mg/Kg |   | 79   | 70 - 130 | 13  | 20    |

MSD MSD
Surrogate %Recovery Qualifier Limits

| l | Surrogate      | %Recovery | Qualifier | Limits   |
|---|----------------|-----------|-----------|----------|
| l | 1-Chlorooctane | 118       |           | 70 - 130 |
| ı | o-Terphenyl    | 118       |           | 70 - 130 |

**Eurofins Carlsbad** 

3

4

6

8

10

12

13

C10-C28)

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Client Sample ID: FS 05

Client Sample ID: FS 05

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Job ID: 890-8155-1

SDG: 03 C 2284007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110198/1-A

**Matrix: Solid** 

Analysis Batch: 110214

Project/Site: MOC LOBO

Client: Ensolum

мв мв

Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride <0.395 U 10.0 0.395 mg/Kg 05/15/25 12:30

Lab Sample ID: LCS 880-110198/2-A

**Matrix: Solid** 

Analysis Batch: 110214

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 248.4 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-110198/3-A

**Matrix: Solid** 

Analysis Batch: 110214

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 248.2 mg/Kg 90 - 110

Lab Sample ID: 890-8155-4 MS

**Matrix: Solid** 

Analysis Batch: 110214

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 324 253 578.7 101 90 - 110 mg/Kg

Lab Sample ID: 890-8155-4 MSD

**Matrix: Solid** 

Analysis Batch: 110214

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 253 324 576.3 mg/Kg 100 90 - 110 0 20

# **QC Association Summary**

Client: Ensolum Job ID: 890-8155-1 Project/Site: MOC LOBO SDG: 03 C 2284007

### **GC VOA**

### Analysis Batch: 110184

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8155-1          | FS 01                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-2          | FS 02                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-3          | FS 03                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-4          | FS 05                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-5          | FS 06                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-6          | FS 07                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-7          | FS 08                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-8          | FS 09                  | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8155-9          | FS 10                  | Total/NA  | Solid  | 8021B  | 110187     |
| MB 880-110187/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110187     |
| LCS 880-110187/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110187     |
| LCSD 880-110187/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8159-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 8021B  | 110187     |
| 890-8159-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 110187     |

### Prep Batch: 110187

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8155-1          | FS 01                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-2          | FS 02                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-3          | FS 03                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-4          | FS 05                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-5          | FS 06                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-6          | FS 07                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-7          | FS 08                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-8          | FS 09                  | Total/NA  | Solid  | 5035   |            |
| 890-8155-9          | FS 10                  | Total/NA  | Solid  | 5035   |            |
| MB 880-110187/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110187/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110187/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-8159-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-8159-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

### Analysis Batch: 110246

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8155-1    | FS 01            | Total/NA  | Solid  | Total BTEX | -          |
| 890-8155-2    | FS 02            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-3    | FS 03            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-4    | FS 05            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-5    | FS 06            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-6    | FS 07            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-7    | FS 08            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-8    | FS 09            | Total/NA  | Solid  | Total BTEX |            |
| 890-8155-9    | FS 10            | Total/NA  | Solid  | Total BTEX |            |

### **GC Semi VOA**

### Prep Batch: 110116

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-8155-1    | FS 01            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-2    | FS 02            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-3    | FS 03            | Total/NA  | Solid  | 8015NM Prep |            |

# **QC Association Summary**

Client: Ensolum Job ID: 890-8155-1 Project/Site: MOC LOBO SDG: 03 C 2284007

GC Semi VOA (Continued)

### Prep Batch: 110116 (Continued)

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-8155-4           | FS 05                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-5           | FS 06                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-6           | FS 07                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-7           | FS 08                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-8           | FS 09                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8155-9           | FS 10                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110116/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110116/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110116/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58112-A-29-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58112-A-29-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

### Analysis Batch: 110221

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-8155-1           | FS 01                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-2           | FS 02                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-3           | FS 03                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-4           | FS 05                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-5           | FS 06                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-6           | FS 07                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-7           | FS 08                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-8           | FS 09                  | Total/NA  | Solid  | 8015B NM | 110116     |
| 890-8155-9           | FS 10                  | Total/NA  | Solid  | 8015B NM | 110116     |
| MB 880-110116/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 110116     |
| LCS 880-110116/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110116     |
| LCSD 880-110116/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110116     |
| 880-58112-A-29-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110116     |
| 880-58112-A-29-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110116     |

### Analysis Batch: 110260

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8155-1    | FS 01            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-2    | FS 02            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-3    | FS 03            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-4    | FS 05            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-5    | FS 06            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-6    | FS 07            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-7    | FS 08            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-8    | FS 09            | Total/NA  | Solid  | 8015 NM |            |
| 890-8155-9    | FS 10            | Total/NA  | Solid  | 8015 NM |            |

### HPLC/IC

### Leach Batch: 110198

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-8155-1    | FS 01            | Soluble   | Solid  | DI Leach |            |
| 890-8155-2    | FS 02            | Soluble   | Solid  | DI Leach |            |
| 890-8155-3    | FS 03            | Soluble   | Solid  | DI Leach |            |
| 890-8155-4    | FS 05            | Soluble   | Solid  | DI Leach |            |
| 890-8155-5    | FS 06            | Soluble   | Solid  | DI Leach |            |
| 890-8155-6    | FS 07            | Soluble   | Solid  | DI Leach |            |

# **QC Association Summary**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

# **HPLC/IC** (Continued)

### Leach Batch: 110198 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8155-7          | FS 08                  | Soluble   | Solid  | DI Leach |            |
| 890-8155-8          | FS 09                  | Soluble   | Solid  | DI Leach |            |
| 890-8155-9          | FS 10                  | Soluble   | Solid  | DI Leach |            |
| MB 880-110198/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110198/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110198/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8155-4 MS       | FS 05                  | Soluble   | Solid  | DI Leach |            |
| 890-8155-4 MSD      | FS 05                  | Soluble   | Solid  | DI Leach |            |

### Analysis Batch: 110214

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8155-1          | FS 01                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-2          | FS 02                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-3          | FS 03                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-4          | FS 05                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-5          | FS 06                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-6          | FS 07                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-7          | FS 08                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-8          | FS 09                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-9          | FS 10                  | Soluble   | Solid  | 300.0  | 110198     |
| MB 880-110198/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110198     |
| LCS 880-110198/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110198     |
| LCSD 880-110198/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-4 MS       | FS 05                  | Soluble   | Solid  | 300.0  | 110198     |
| 890-8155-4 MSD      | FS 05                  | Soluble   | Solid  | 300.0  | 110198     |

Eurofins Carlsbad

1

3

4

\_\_\_\_

Q

9

11

14

Client: Ensolum Project/Site: MOC LOBO

Job ID: 890-8155-1 SDG: 03 C 2284007

Lab Sample ID: 890-8155-1

**Matrix: Solid** 

Date Collected: 05/13/25 13:01 Date Received: 05/14/25 09:03

Client Sample ID: FS 01

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.98 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 13:18 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX  |     | 1      |         |        | 110246 | 05/15/25 13:18 | SM      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 12:46 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 12:46 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.01 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |

Client Sample ID: FS 02 Date Collected: 05/13/25 13:04

Date Received: 05/14/25 09:03

Analysis

300.0

Soluble

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.05 g 5 mL 110187 05/15/25 08:23 AA EET MID Total/NA 8021B 5 mL 05/15/25 13:39 **EET MID** Analysis 1 5 mL 110184 MNR Total/NA Total BTEX 110246 05/15/25 13:39 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 110260 05/15/25 13:01 SM **EET MID** Total/NA 110116 FC Prep 8015NM Prep 10.03 g 10 mL 05/14/25 11:12 EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 110221 05/15/25 13:01 TKC **EET MID** Soluble 05/15/25 09:24 Leach DI Leach 4.95 g 50 mL 110198 SA **EET MID** Soluble Analysis 300.0 10 110214 05/15/25 14:17 SMC **EET MID** 

Client Sample ID: FS 03

Date Collected: 05/13/25 15:25 Date Received: 05/14/25 09:03

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 13:59 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX  |     | 1      |         |        | 110246 | 05/15/25 13:59 | SM      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 13:16 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 13:16 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.96 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 10     |         |        | 110214 | 05/15/25 14:24 | SMC     | EET MID |

Client Sample ID: FS 05

Date Collected: 05/13/25 15:31 Date Received: 05/14/25 09:03

| _         |          |            |     |        |         |        |        |                |         |         |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
|           | Batch    | Batch      |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
| Prep Type | Type     | Method     | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035       |     |        | 4.98 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B      |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 14:20 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX |     | 1      |         |        | 110246 | 05/15/25 14:20 | SM      | EET MID |

**Eurofins Carlsbad** 

Lab Sample ID: 890-8155-4

Lab Sample ID: 890-8155-2

SMC

110214

05/15/25 14:10

Matrix: Solid

**EET MID** 

Lab Sample ID: 890-8155-3

**Matrix: Solid** 

Matrix: Solid

Job ID: 890-8155-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03 C 2284007

Client Sample ID: FS 05 Lab Sample ID: 890-8155-4

Date Collected: 05/13/25 15:31 **Matrix: Solid** Date Received: 05/14/25 09:03

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 13:30 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 13:30 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.95 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110214 | 05/15/25 14:31 | SMC     | EET MID |

Client Sample ID: FS 06 Lab Sample ID: 890-8155-5

Date Collected: 05/13/25 15:34 Date Received: 05/14/25 09:03

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.95 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 14:40 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX  |     | 1      |         |        | 110246 | 05/15/25 14:40 | SM      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 13:45 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 13:45 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.95 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110214 | 05/15/25 14:52 | SMC     | EET MID |

Client Sample ID: FS 07 Lab Sample ID: 890-8155-6 Date Collected: 05/13/25 15:37

Date Received: 05/14/25 09:03

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.03 g 5 mL 110187 05/15/25 08:23 AAEET MID Total/NA 8021B 5 mL 5 mL 110184 05/15/25 16:14 MNR **EET MID** Analysis 1 Total/NA Analysis Total BTEX 1 110246 05/15/25 16:14 SM **EET MID** Total/NA Analysis 8015 NM 110260 05/15/25 14:00 SM EET MID 1 Total/NA Prep 8015NM Prep 10.01 g 10 mL 110116 05/14/25 11:12 FC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 110221 05/15/25 14:00 TKC EET MID

Lab Sample ID: 890-8155-7 Client Sample ID: FS 08

1

5.03 g

50 mL

110198

110214

05/15/25 09:24

05/15/25 15:00

SA

SMC

Date Collected: 05/13/25 15:41 Date Received: 05/14/25 09:03

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

|                      | Batch            | Batch                   |     | Dil    | Initial         | Final         | Batch            | Prepared                         |           |                    |
|----------------------|------------------|-------------------------|-----|--------|-----------------|---------------|------------------|----------------------------------|-----------|--------------------|
| Prep Type            | Type             | Method                  | Run | Factor | Amount          | Amount        | Number           | or Analyzed                      | Analyst   | Lab                |
| Total/NA             | Prep             | 5035                    |     |        | 5.04 g          | 5 mL          | 110187           | 05/15/25 08:23                   | AA        | EET MID            |
| Total/NA             | Analysis         | 8021B                   |     | 1      | 5 mL            | 5 mL          | 110184           | 05/15/25 16:35                   | MNR       | EET MID            |
| Total/NA             | Analysis         | Total BTEX              |     | 1      |                 |               | 110246           | 05/15/25 16:35                   | SM        | EET MID            |
| Total/NA             | Analysis         | 8015 NM                 |     | 1      |                 |               | 110260           | 05/15/25 14:15                   | SM        | EET MID            |
| Total/NA<br>Total/NA | Prep<br>Analysis | 8015NM Prep<br>8015B NM |     | 1      | 10.00 g<br>1 uL | 10 mL<br>1 uL | 110116<br>110221 | 05/14/25 11:12<br>05/15/25 14:15 | FC<br>TKC | EET MID<br>EET MID |

**Eurofins Carlsbad** 

**Matrix: Solid** 

**Matrix: Solid** 

**EET MID** 

EET MID

**Matrix: Solid** 

Client: Ensolum Project/Site: MOC LOBO

Job ID: 890-8155-1

SDG: 03 C 2284007

**Client Sample ID: FS 08** 

Lab Sample ID: 890-8155-7

Matrix: Solid

Date Collected: 05/13/25 15:41 Date Received: 05/14/25 09:03

|           | Batch    | Batch    |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method   | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Soluble   | Leach    | DI Leach |     |        | 5.04 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |
| Soluble   | Analysis | 300.0    |     | 1      |         |        | 110214 | 05/15/25 15:21 | SMC     | EET MID |

Client Sample ID: FS 09 Lab Sample ID: 890-8155-8

Date Collected: 05/13/25 15:44 **Matrix: Solid** 

Date Received: 05/14/25 09:03

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.00 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 16:55 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX  |     | 1      |         |        | 110246 | 05/15/25 16:55 | SM      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 14:30 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 9.98 g  | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 14:30 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110214 | 05/15/25 15:28 | SMC     | EET MID |

**Client Sample ID: FS 10** Lab Sample ID: 890-8155-9

Date Collected: 05/13/25 15:46 **Matrix: Solid** Date Received: 05/14/25 09:03

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110187 | 05/15/25 08:23 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110184 | 05/15/25 17:16 | MNR     | EET MID |
| Total/NA  | Analysis | Total BTEX  |     | 1      |         |        | 110246 | 05/15/25 17:16 | SM      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110260 | 05/15/25 14:45 | SM      | EET MIC |
| Total/NA  | Prep     | 8015NM Prep |     |        | 9.95 g  | 10 mL  | 110116 | 05/14/25 11:12 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110221 | 05/15/25 14:45 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.03 g  | 50 mL  | 110198 | 05/15/25 09:24 | SA      | EET MIC |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110214 | 05/15/25 15:35 | SMC     | EET MIC |

### Laboratory References:

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

# **Accreditation/Certification Summary**

 Client: Ensolum
 Job ID: 890-8155-1

 Project/Site: MOC LOBO
 SDG: 03 C 2284007

**Laboratory: Eurofins Midland** 

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

| Authority  | Progra  | am                                       | Identification Number                              | Expiration Date        |
|------------|---|--|--|------------------------|
| Texas      | NELA  | )  | T104704400   | 06-30-25               |
| • ,        | es are included in this report, bu y does not offer certification . Prep Method | it the laboratory is not certi<br>Matrix | fied by the governing authority. This lis  Analyte | t may include analytes |
| 8015 NM    |   | Solid                                    | Total TPH  |                        |
| 8015B NM   | 8015NM Prep   | Solid                                    | Total TPH  |                        |
| Total BTEX |   | Solid                                    | Total BTEX   |                        |

J

6

9

10

12

4 /

# **Method Summary**

Client: Ensolum

Project/Site: MOC LOBO

Job ID: 890-8155-1 SDG: 03 C 2284007

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

### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

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

**Eurofins Carlsbad** 

3

8

4.0

11

4.0

# **Sample Summary**

Client: Ensolum

Project/Site: MOC LOBO

Job ID: 890-8155-1 SDG: 03 C 2284007

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-8155-1    | FS 01            | Solid  | 05/13/25 13:01 | 05/14/25 09:03 | 4'    |
| 890-8155-2    | FS 02            | Solid  | 05/13/25 13:04 | 05/14/25 09:03 | 4'    |
| 890-8155-3    | FS 03            | Solid  | 05/13/25 15:25 | 05/14/25 09:03 | 4'    |
| 890-8155-4    | FS 05            | Solid  | 05/13/25 15:31 | 05/14/25 09:03 | 2'    |
| 890-8155-5    | FS 06            | Solid  | 05/13/25 15:34 | 05/14/25 09:03 | 2'    |
| 890-8155-6    | FS 07            | Solid  | 05/13/25 15:37 | 05/14/25 09:03 | 2'    |
| 890-8155-7    | FS 08            | Solid  | 05/13/25 15:41 | 05/14/25 09:03 | 2'    |
| 890-8155-8    | FS 09            | Solid  | 05/13/25 15:44 | 05/14/25 09:03 | 2'    |
| 890-8155-9    | FS 10            | Solid  | 05/13/25 15:46 | 05/14/25 09:03 | 2'    |

Λ

6

Q

10

11

40

5/2020 Rev. 2020

e/Time

# Chain of Custody

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

**Environment Testing** 

eurofins 🛟

Work Order No:

|                          |                         |        |                        |                                | I                       | Hobbs, N                | MM (575       | 392-7                | 550, Ca  | Isbad, N | Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | -3199    |                           |                   | WWW         | www.xenco.com | om Page   | 4                  | 4                          |
|--------------------------|-------------------------|--------|------------------------|--------------------------------|-------------------------|-------------------------|---------------|----------------------|----------|----------|---|----------|---------------------------|-------------------|-------------|---------------|---|--------------------|----------------------------|
| Project Manager:         | Lepeny Reich            | 1212   | 1                      |                                | Bill to: (if different) | fferent)                |               |                      |          |          |   |          |                           |                   | >           | Vork Orde     | Work Order Comments   | S                  |                            |
| Company Name: Er         | Ensolum LLC             |        |                        |                                | Company Name:           | Name:                   |               |                      |          |          |   |          | P. P.                     | gram: US          | T/PST       | PRP BR        | Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐          | RRC :              | uperfund                   |
| Address: 31              | 3122 National Parks Hwy | arks H | λý                     |                                | Address:                |                         |               |                      |          |          |   |          | Stat                      | State of Project: | ect:        |               |   |                    | 1                          |
| City, State ZIP: C.      | Carlsbad, NM 88220      | 220    |                        |                                | City, State ZIP:        | ZIP:                    |               |                      |          |          |   |          | Rep                       | orting: Lev       | vel II 🛮 Lƙ | evel III 🔲    | Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📋 🛮 Level IV 🖺   | TRRP 🗌             | Level IV                   |
| Phone:                   | 432.296.0627            | 127    |                        | Email:                         |                         |                         |               |                      |          |          |   |          | Deli                      | Deliverables: EDD | EDD         | ] AD          | ADaPT C   | Other:             |                            |
| Project Name:            | MOC 6080                |        |                        | Turn                           | Turn Around             |                         |               |                      |          |          | A   | IALYSIS  | ANALYSIS REQUEST          | H                 |             |               | Pres  | Preservative Codes | Codes                      |
| er:                      | 0302184007              | 40     |                        | Routine                        | Rush Rush               | a o                     | Pres.<br>Code |                      |          |          |   |          |                           |                   | =           |               | None: NO  |                    | DI Water: H <sub>2</sub> O |
| Project Location: 3,     | 32.444437, -103.688210  | 103.6  | 88210                  | Due Date: 5                    | 5/16/101/3              | 15                      |               |                      |          |          |   |          |                           |                   |             |               | Cool: Cool  |                    | MeOH: Me                   |
| ler's Name:              | CHRIS Weight            |        |                        | TAT starts the day redeived by | e day redeived by       | od by                   |               |                      |          |          |   |          |                           |                   |             |               | HCL: HC   |                    | HNO3: HN                   |
| PO #:                    |                         |        | *                      | rie lab, ii rec                | seived by 4.3           | $\neg$                  | SIS           |                      |          |          | 8-068   | 3155 Cha | 890-8155 Chain of Custody |                   |             | -             | H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>                   |                    | NaOH: Na                   |
| SAMPLE RECEIPT           | Temp Blank:             | īk:    | Kes No                 | Wet Ice:                       | (Yes) No                |                         | aten          |                      |          |          |   |          | 5                         | (5)               |             | 1             | H <sub>3</sub> PO₄: HP  | 0                  |                            |
| Samples Received Intact: | ct: (Yes No             | -      | Thermometer ID:        | ır ID:                         | TOWOO?                  |                         | aran          |                      | o ≤      | ~        | _   |          |                           | _                 | _           | _             | NaHSO₄: NABIS   | NABIS              |                            |
| Cooler Custody Seals:    | Yes No                  | 3      | Correction Factor:     | actor:                         | 10-                     |                         | 3d            | _                    |          | <u> </u> |   |          |                           |                   |             |               | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> | NaSO <sub>3</sub>  |                            |
| Sample Custody Seals:    | Yes No                  | 3      | Temperature Reading:   | Reading:                       | 7.0                     |                         |               | ×                    | -        | 1-1      |   |          |                           |                   |             |               | Zn Acetate+NaOH: Zn   | S+NaOH:            | Zu                         |
| Total Containers:        |                         |        | Corrected Temperature: | emperature:                    | 2,2                     |                         |               | \(\frac{1}{\sigma}\) | 1,       | - N      |   |          |                           |                   |             |               | NaOH+Ascorbic Acid: SAPC  | corbic Aci         | d: SAPC                    |
| Sample Identification    |                         | Matrix | Date<br>Sampled        | Time                           | Depth 0                 | Grab/ # of<br>Comp Cont | # of<br>Cont  | 19                   | <u> </u> | 147      |   |          |                           |                   |             |               | Sam   | Sample Comments    | ments                      |
| 1750                     | ,                       | S      | 5/13/13                | 1501                           | <b>д</b>                | ( )                     | 1             | ~["/                 | 1        |          |   |          |                           |                   |             |               |   |                    |                            |
| 2057                     |                         | П      |                        | 1304                           | 4,                      | ر                       | 1             | \<br>\<br>\          | ?        |          |   |          |                           |                   |             |               |   |                    |                            |
| F503                     |                         | S      |                        | 525                            | t)                      | ر<br>ک                  | 4             | >                    | ?        |          |   |          |                           |                   |             |               |   |                    |                            |
| F505                     | 41                      | S      |                        | 53                             | 2,                      | ر                       | 7             |                      | ~        |          |   |          |                           |                   |             |               |   |                    |                            |
| F506                     | ,                       | S      | 1/2/15                 | 534                            | 7                       | ر<br>د                  | 7             |                      | ?        |          |   |          |                           |                   |             |               |   |                    |                            |
| F507                     |                         | ~      | 5/8/2                  | 1537                           | 1                       | ( )                     | 1             | ^ /                  | / /      |          |   |          |                           |                   |             |               |   |                    |                            |

Hg: 1631 / 245.1 / 7470 / 7471 f service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be enforced unless previously negotilate Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Se Ag TI U TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Tl Sn U V Zn

200.8 / 6020:

Total 200.7 / 6010

| Relinquished by; (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/                 |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------------------|
| The time                     | gled                     | 13 Ed. p  | h                            |                          |                       |
| 8                            |                          | •         | 4                            |                          |                       |
| 2                            |                          |           | 9                            |                          |                       |
|                              |                          |           |                              | a a                      | Revised Date: 08/25/2 |

Page 28 of 30

F508 찣쫑

乏

5/13/25 5/8/25

SO

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8155-1 SDG Number: 03 C 2284007

Login Number: 8155 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8155-1 SDG Number: 03 C 2284007

**List Source: Eurofins Midland** 

List Creation: 05/14/25 08:52 PM

Login Number: 8155 List Number: 2

Creator: Laing, Edmundo

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

<6mm (1/4").

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Jeremy Reich Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 5/27/2025 12:44:02 PM

# **JOB DESCRIPTION**

MOC Lobo 03C2284007

# **JOB NUMBER**

890-8188-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

# **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**

Generated 5/27/2025 12:44:02 PM

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

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

•

Λ

5

6

8

9

12

Client: Ensolum
Project/Site: MOC Lobo
Laboratory Job ID: 890-8188-1
SDG: 03C2284007

# **Table of Contents**

| Cover Page             | 1  |
|------------------------|----|
| Table of Contents      | 3  |
| Definitions/Glossary   | 4  |
| Case Narrative         | 5  |
| Client Sample Results  | 7  |
| Surrogate Summary      | 18 |
| QC Sample Results      | 20 |
| QC Association Summary | 26 |
| Lab Chronicle          | 30 |
| Certification Summary  | 34 |
| Method Summary         | 35 |
| Sample Summary         | 36 |
| Chain of Custody       | 37 |
| Receipt Chacklists     | 39 |

2

3

4

6

8

10

40

13

### Definitions/Glossary

 Client: Ensolum
 Job ID: 890-8188-1

 Project/Site: MOC Lobo
 SDG: 03C2284007

**Qualifiers** 

GC VOA
Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier Description

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

applicable

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

HPLC/IC

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)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

**Eurofins Carlsbad** 

.

2

4

7

8

10

4.0

### **Case Narrative**

Client: Ensolum Job ID: 890-8188-1 Project: MOC Lobo

**Eurofins Carlsbad** Job ID: 890-8188-1

### Job Narrative 890-8188-1

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
- 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 5/20/2025 8:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 11 (890-8188-1), FS 14 (890-8188-2), FS 15 (890-8188-3), FS 16 (890-8188-4), FS 19 (890-8188-5), FS 20 (890-8188-6), FS 21 (890-8188-7), FS 22 (890-8188-8), SW 01 (890-8188-9), SW 02 (890-8188-10), FS 23 (890-8188-11), FS 26 (890-8188-12), FS 28 (890-8188-13) and FS 29 (890-8188-14).

### **GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110587 and analytical batch 880-110572 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.

### **Diesel Range Organics**

Method 8015MOD\_NM: The method blank for preparation batch 880-110557 and analytical batch 880-110847 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-110557/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-110557/3-A), (890-8187-A-40-B), (890-8187-A-40-C MS) and (890-8187-A-40-D MSD). Evidence of matrix interference is present; therefore, reextraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110557 and analytical batch 880-110847 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110581 and analytical batch 880-110647 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.

# **Case Narrative**

Client: Ensolum Job ID: 890-8188-1

Project: MOC Lobo

Job ID: 890-8188-1 (Continued) Eurofins Carlsbad

4

3

4

5

8

9

4 4

12

13

Lab Sample ID: 890-8188-1

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: FS 11

Date Collected: 05/19/25 11:10 Date Received: 05/20/25 08:37

Sample Depth: 2

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 13:52 | 1       |

| Method: SW846 8015 NM - Diesel R | ange Organi | ics (DRO) (G | C)   |      |       |   |          |                |         |
|----------------------------------|-------------|--------------|------|------|-------|---|----------|----------------|---------|
| Analyte                          | Result      | Qualifier    | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                        | 18.2        | J            | 49.8 | 15.1 | mg/Kg |   |          | 05/23/25 12:49 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |
| Diesel Range Organics (Over C10-C28)    | 18.2      | JB        | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |
| Total TPH                               | 18.2      | JB        | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 126       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |
| o-Terphenyl                             | 122       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 12:49 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatography - Soluble |      |             |   |          |                |         |
|-----------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 464                     | 10.1 | 0.398 mg/Kg |   |          | 05/22/25 01:54 | 1       |

Client Sample ID: FS 14

Date Collected: 05/19/25 10:54

Lab Sample ID: 890-8188-2

Matrix: Solid

Date Collected: 05/19/25 10:54 Date Received: 05/20/25 08:37

Sample Depth: 2

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) |           |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 14:13 | 1       |

**Eurofins Carlsbad** 

2

3

4

6

8

10

12

Lab Sample ID: 890-8188-2

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: FS 14

Date Collected: 05/19/25 10:54 Date Received: 05/20/25 08:37

Sample Depth: 2

| Method: SW846 8015 NM - Diesel R | ange Organi | ics (DRO) ( | GC)  |      |       |   |          |                |         |
|----------------------------------|-------------|-------------|------|------|-------|---|----------|----------------|---------|
| Analyte                          | Result      | Qualifier   | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                        | 18.0        | J           | 50.0 | 15.1 | mg/Kg |   |          | 05/23/25 13:05 | 1       |

| Method: SW846 8015B NM - Dies Analyte   | • •       | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |
| Diesel Range Organics (Over C10-C28)    | 18.0      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |
| Total TPH                               | 18.0      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 126       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |
| o-Terphenvl                             | 120       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 13:05 | 1       |

| Method: EPA 300.0 - Anions, Ion Ch | romatograp | hy - Soluble |      |       |       |   |          |                |         |
|------------------------------------|------------|--------------|------|-------|-------|---|----------|----------------|---------|
| Analyte                            | Result     | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                           | 233        |              | 10.0 | 0.397 | mg/Kg |   |          | 05/22/25 02:01 | 1       |

Client Sample ID: FS 15

Date Collected: 05/19/25 12:37

Lab Sample ID: 890-8188-3

Matrix: Solid

Date Collected: 05/19/25 12:37 Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Analyte                          | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------------|-------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                          | <0.00138        | U           | 0.00199  | 0.00138 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| Toluene                          | <0.00199        | U           | 0.00199  | 0.00199 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| Ethylbenzene                     | <0.00108        | U           | 0.00199  | 0.00108 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| m-Xylene & p-Xylene              | <0.00227        | U           | 0.00398  | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| o-Xylene                         | <0.00157        | U           | 0.00199  | 0.00157 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| Xylenes, Total                   | <0.00227        | U           | 0.00398  | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| Surrogate                        | %Recovery       | Qualifier   | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 103             |             | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| 1,4-Difluorobenzene (Surr)       | 82              |             | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 14:33 | 1       |
| -<br>Method: SW846 8015 NM - Die | sel Range Organ | ics (DRO) ( | GC)      |         |       |   |                |                |         |
| Analyte                          | Result          | Qualifier   | ,<br>RL  | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |

| Allalyto                           | resuit        | Qualifici  | 112      | MIDE | Oilit |   | ricparca       | Analyzea       | Diriac  |
|------------------------------------|---------------|------------|----------|------|-------|---|----------------|----------------|---------|
| Total TPH                          | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   |                | 05/23/25 13:21 | 1       |
| -<br>Method: SW846 8015B NM - Dies | el Range Orga | nics (DRO) | ) (GC)   |      |       |   |                |                |         |
| Analyte                            | Result        | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics            | <14.5         | U          | 49.8     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:21 | 1       |
| (GRO)-C6-C10                       |               |            |          |      |       |   |                |                |         |
| Diesel Range Organics (Over        | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:21 | 1       |
| C10-C28)                           |               |            |          |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36)  | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:21 | 1       |
| Total TPH                          | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:21 | 1       |
| Surrogate                          | %Recovery     | Qualifier  | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                     | 107           |            | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 13:21 | 1       |
|                                    |               |            |          |      |       |   |                |                |         |

**Eurofins Carlsbad** 

Page 8 of 40

Lab Sample ID: 890-8188-3

Lab Sample ID: 890-8188-4

# **Client Sample Results**

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

**Client Sample ID: FS 15** 

Date Collected: 05/19/25 12:37 Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Method: SW846 8015B NM - Diesel Ran      | ge Organics (DRO) (GC) (Continued)  |
|--|-------------------------------------|
| Michiga. CVVC+C CCTOB IVIN - Bicaci Ivan | ge Organics (Bito) (OO) (Continued) |

| Surrogate   | %Recovery Quality | fier Limits | Prepared       | Analyzed       | Dil Fac |
|-------------|-------------------|-------------|----------------|----------------|---------|
| o-Terphenyl | 105               | 70 - 130    | 05/20/25 16:37 | 05/23/25 13:21 | 1       |

| Method: EPA 300.0 - Anions, | lon Chromatography - Soluble |
|-----------------------------|------------------------------|
| Analyto                     | Posult Qualifier             |

| Allalyte | Result | Qualifici | IXL. | MIDL  | Oilit | <br>rrepared | Allalyzeu      | Diriac |
|----------|--------|-----------|------|-------|-------|--------------|----------------|--------|
| Chloride | 457    |           | 10.1 | 0.397 | mg/Kg |              | 05/22/25 02:21 | 1      |

Client Sample ID: FS 16

Date Collected: 05/19/25 12:45 Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
|                     |          |           |         |         |       |   |                |                |         |

| Surrogate                   | %Recovery ( | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-------------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109         |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 14:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79          |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 14:54 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 16.3   | J         | 49.8 | 15.1 | mg/Kg |   |          | 05/23/25 13:37 | 1       |

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

| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics           | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:37 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | 16.3   | JB        | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:37 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:37 | 1       |
| Total TPH                         | 16.3   | JB        | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 13:37 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117       |           | 70 - 130 | 05/20/25 16:37 | 05/23/25 13:37 | 1       |
| o-Terphenyl    | 111       |           | 70 - 130 | 05/20/25 16:37 | 05/23/25 13:37 | 1       |

| Method: EPA | .300.0 - Anion | s. Ion Chroi | matography | · - Soluble |
|-------------|----------------|--------------|------------|-------------|

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 671    |           | 10.0 | 0.397 | mg/Kg |   |          | 05/22/25 02:28 | 1       |

**Eurofins Carlsbad** 

Dil Foo

Matrix: Solid

Job ID: 890-8188-1 SDG: 03C2284007

Client Sample ID: FS 19

Date Collected: 05/19/25 12:53 Date Received: 05/20/25 08:37

Sample Depth: 0.5

Client: Ensolum

Project/Site: MOC Lobo

Lab Sample ID: 890-8188-5

05/23/25 13:52

05/23/25 13:52

Analyzed

05/22/25 02:35

05/20/25 16:37

05/20/25 16:37

Prepared

D

Matrix: Solid

| 5 |
|---|
|   |
|   |

Dil Fac

Matrix: Solid

| Analyte   | Result  | Qualifier                                       | RL                     | MDL                         | Unit                     | D        | Prepared                               | Analyzed   | Dil Fac |
|---|---|---|------------------------|-----------------------------|--------------------------|----------|--|--|---------|
| Benzene   | <0.00141                                      | U   | 0.00202                | 0.00141                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| Toluene   | <0.00202                                      | U   | 0.00202                | 0.00202                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| Ethylbenzene  | <0.00110                                      | U   | 0.00202                | 0.00110                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| m-Xylene & p-Xylene   | <0.00231                                      | U   | 0.00404                | 0.00231                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| o-Xylene  | <0.00160                                      | U   | 0.00202                | 0.00160                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| Xylenes, Total  | <0.00231                                      | U   | 0.00404                | 0.00231                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| Surrogate   | %Recovery                                     | Qualifier                                       | Limits                 |                             |                          |          | Prepared                               | Analyzed   | Dil Fac |
| 4-Bromofluorobenzene (Surr)   |   |   | 70 - 130               |                             |                          |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| 1,4-Difluorobenzene (Surr)  | 78  |   | 70 - 130               |                             |                          |          | 05/21/25 09:45                         | 05/21/25 16:28   | 1       |
| Method: SW846 8015 NM - Dies  | el Range Organ                                | ics (DRO) (                                     | GC)                    |                             |                          |          |  |  |         |
| Method: SW846 8015 NM - Dies  | el Range Organ                                | ics (DRO) (                                     | GC)                    |                             |                          |          |  |  |         |
| Analyte   | Result  | Qualifier                                       | RL                     |                             | Unit                     | <u>D</u> | Prepared                               | Analyzed   |         |
|   | • •   | Qualifier                                       | •                      | MDL<br>15.1                 | Unit<br>mg/Kg            | <u>D</u> | Prepared                               | <b>Analyzed</b> 05/23/25 13:52                           | Dil Fac |
| Analyte Total TPH   | Result 15.4                                   | Qualifier J                                     | <b>RL</b> 49.9         |                             |                          | <u>D</u> | Prepared                               |  |         |
| Analyte Total TPH  Method: SW846 8015B NM - Die   | Result 15.4 esel Range Orga                   | Qualifier J                                     | <b>RL</b> 49.9         | 15.1                        |                          | <u>D</u> | Prepared Prepared                      |  | 1       |
| Analyte Total TPH Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics  | Result 15.4 esel Range Orga                   | Qualifier  J  Inics (DRO)  Qualifier            | RL 49.9 (GC)           | 15.1                        | mg/Kg                    |          |  | 05/23/25 13:52   | 1       |
| Analyte Total TPH  Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics (GRO)-C6-C10                                      | Result 15.4 esel Range Orga Result <14.5      | Qualifier  J  unics (DRO)  Qualifier  U         | (GC) RL 49.9           | 15.1<br>MDL<br>14.5         | mg/Kg  Unit mg/Kg        |          | Prepared 05/20/25 16:37                | 05/23/25 13:52  Analyzed  05/23/25 13:52                 | Dil Fac |
| Analyte Total TPH  Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over          | Result 15.4 esel Range Orga                   | Qualifier  J  unics (DRO)  Qualifier  U         | (GC) RL                | 15.1<br>MDL<br>14.5         | mg/Kg                    |          | Prepared                               | 05/23/25 13:52  Analyzed                                 | 1       |
| Analyte Total TPH  Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 15.4 esel Range Orga Result <14.5      | Qualifier  J  unics (DRO)  Qualifier  U  J B    | (GC) RL 49.9           | 15.1<br>MDL<br>14.5         | mg/Kg  Unit mg/Kg  mg/Kg |          | Prepared 05/20/25 16:37                | 05/23/25 13:52  Analyzed  05/23/25 13:52                 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dic Analyte  | Result 15.4 esel Range Orga Result <14.5 15.4 | Qualifier  J  Inics (DRO)  Qualifier  U  J B  U | (GC) RL 49.9 49.9 49.9 | 15.1<br>MDL<br>14.5<br>15.1 | mg/Kg  Unit mg/Kg  mg/Kg |          | Prepared 05/20/25 16:37 05/20/25 16:37 | 05/23/25 13:52  Analyzed  05/23/25 13:52  05/23/25 13:52 | Dil Fac |

Client Sample ID: FS 20 Lab Sample ID: 890-8188-6

RL

9.92

MDL Unit

0.392 mg/Kg

70 - 130

70 - 130

122

118

432

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 05/19/25 12:56 Date Received: 05/20/25 08:37

Sample Depth: 0.5

1-Chlorooctane

o-Terphenyl

Analyte

Chloride

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00201  | 0.00110 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| m-Xylene & p-Xylene         | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 16:49 | 1       |

Lab Sample ID: 890-8188-6

 Client: Ensolum
 Job ID: 890-8188-1

 Project/Site: MOC Lobo
 SDG: 03C2284007

Client Sample ID: FS 20

Date Collected: 05/19/25 12:56 Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|--|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH  | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 05/23/25 14:08 | 1       |  |

| Method: SW846 8015B NM - Dies Analyte   | • •       | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |
| Total TPH                               | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 122       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |
| o-Terphenyl                             | 115       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 14:08 | 1       |

| Method: EPA 300.0 - Anions, Ion Ch | nromatography - Soluble |      |             |   |          |                |         |
|------------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                            | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                           | 218                     | 9.94 | 0.393 mg/Kg |   |          | 05/22/25 02:41 | 1       |

Client Sample ID: FS 21

Date Collected: 05/19/25 12:59

Lab Sample ID: 890-8188-7

Matrix: Solid

Date Collected: 05/19/25 12:59 Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Analyte   | Result  | Qualifier                                  | RL                               | MDL                         | Unit                          | D        | Prepared                               | Analyzed  | Dil Fac                                     |
|---|---|--|----------------------------------|-----------------------------|-------------------------------|----------|--|---|---|
| Benzene   | <0.00138                                      | U  | 0.00198                          | 0.00138                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| Toluene   | <0.00198                                      | U  | 0.00198                          | 0.00198                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| Ethylbenzene  | <0.00108                                      | U  | 0.00198                          | 0.00108                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| m-Xylene & p-Xylene   | <0.00226                                      | U  | 0.00396                          | 0.00226                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| o-Xylene  | < 0.00157                                     | U  | 0.00198                          | 0.00157                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| Xylenes, Total  | <0.00226                                      | U  | 0.00396                          | 0.00226                     | mg/Kg                         |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| Surrogate   | %Recovery                                     | Qualifier                                  | Limits                           |                             |                               |          | Prepared                               | Analyzed  | Dil Fac                                     |
| 4-Bromofluorobenzene (Surr)   | 107   |  | 70 - 130                         |                             |                               |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| 1,4-Difluorobenzene (Surr)  | 78  |  | 70 - 130                         |                             |                               |          | 05/21/25 09:45                         | 05/21/25 17:09  | 1   |
| Method: SW846 8015 NM - Dies<br>Analyte   | •   | ics (DRO) (                                | GC)                              | MDL                         | Unit                          | <u>D</u> | Prepared                               | Analyzed  | Dil Fac                                     |
|   | •   | . , ,                                      | •                                | MDL                         | Unit                          | D        | Prepared                               | Analyzed  | Dil Fac                                     |
|   | •   | Qualifier                                  | •                                | MDL<br>15.1                 | Unit<br>mg/Kg                 | <u>D</u> | Prepared                               | <b>Analyzed</b> 05/23/25 14:25  |   |
| Analyte Total TPH  Method: SW846 8015B NM - Die   | Result 20.7 esel Range Orga                   | Qualifier  J  nics (DRO)                   | RL 49.8                          | 15.1                        | mg/Kg                         |          | <u> </u>                               | 05/23/25 14:25  | 1   |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte   | Result 20.7 esel Range Orga Result            | Qualifier  J nics (DRO) Qualifier          | RL 49.8 (GC)                     | 15.1<br><b>MDL</b>          | mg/Kg                         | <u>D</u> | Prepared                               | 05/23/25 14:25  Analyzed  | Dil Fac                                     |
| Analyte Total TPH  Method: SW846 8015B NM - Die   | Result 20.7 esel Range Orga                   | Qualifier  J nics (DRO) Qualifier          | RL 49.8                          | 15.1<br><b>MDL</b>          | mg/Kg                         |          | <u> </u>                               | 05/23/25 14:25  | Dil Fac                                     |
| Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics  | Result 20.7 esel Range Orga Result            | Qualifier  J  nics (DRO)  Qualifier  U     | RL 49.8 (GC)                     | 15.1<br><b>MDL</b>          | mg/Kg                         |          | Prepared                               | 05/23/25 14:25  Analyzed  | Dil Fac                                     |
| Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10   | Result 20.7 esel Range Orga Result <14.5      | Qualifier  J  nics (DRO)  Qualifier  U     | (GC) RL 49.8                     | 15.1<br>MDL<br>14.5         | mg/Kg  Unit mg/Kg             |          | Prepared 05/20/25 16:37                | 05/23/25 14:25  Analyzed  05/23/25 14:25                              | Dil Fac                                     |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over  | Result 20.7 esel Range Orga Result <14.5      | Qualifier J nics (DRO) Qualifier U JB      | (GC) RL 49.8                     | 15.1<br>MDL<br>14.5         | mg/Kg  Unit mg/Kg             | =        | Prepared 05/20/25 16:37                | 05/23/25 14:25  Analyzed  05/23/25 14:25                              | Dil Fac                                     |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result 20.7 esel Range Orga Result <14.5 20.7 | Qualifier J nics (DRO) Qualifier U JB      | (GC) RL 49.8 49.8 49.8           | 15.1<br>MDL<br>14.5<br>15.1 | mg/Kg  Unit mg/Kg  mg/Kg      | =        | Prepared 05/20/25 16:37 05/20/25 16:37 | 05/23/25 14:25  Analyzed  05/23/25 14:25  05/23/25 14:25              | Dil Fac                                     |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)                                   | Result 20.7  esel Range Orga                  | Qualifier J nics (DRO) Qualifier U JB U JB | (GC)  RL  49.8  49.8  49.8  49.8 | 15.1<br>MDL<br>14.5<br>15.1 | mg/Kg  Unit mg/Kg mg/Kg mg/Kg | =        | Prepared 05/20/25 16:37 05/20/25 16:37 | 05/23/25 14:25  Analyzed 05/23/25 14:25 05/23/25 14:25 05/23/25 14:25 | Dil Fac  Dil Fac  1  Dil Fac  1  1  Dil Fac |

Job ID: 890-8188-1 SDG: 03C2284007

Project/Site: MOC Lobo

Client: Ensolum

Lab Sample ID: 890-8188-7

Date Collected: 05/19/25 12:59 Date Received: 05/20/25 08:37

Client Sample ID: FS 21

Matrix: Solid

Sample Depth: 0.5

| Surrogate   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|---------------------|----------|----------------|----------------|---------|
| o-Terphenyl | 109                 | 70 - 130 | 05/20/25 16:37 | 05/23/25 14:25 | 1       |

| Method: EPA 300.0   | - Anions Ioi  | ı Chromatogra | nhy - Soluble |
|---------------------|---------------|---------------|---------------|
| motiloa. El A 000.0 | A1110110, 101 | ı omomutogru  | pily Colubic  |

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 338    |           | 9.96 | 0.393 | mg/Kg |   |          | 05/22/25 02:48 | 1       |

Client Sample ID: FS 22 Lab Sample ID: 890-8188-8 Date Collected: 05/19/25 13:02 **Matrix: Solid** 

Date Received: 05/20/25 08:37

Sample Depth: 0.5

| Method: SW846 8021B - Vo | olatile Organic Comp | ounds (GC) | )       |         |       |   |                |                |         |
|--------------------------|----------------------|------------|---------|---------|-------|---|----------------|----------------|---------|
| Analyte                  | Result               | Qualifier  | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                  | <0.00138             | U          | 0.00199 | 0.00138 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| Toluene                  | <0.00199             | U          | 0.00199 | 0.00199 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| Ethylbenzene             | <0.00108             | U          | 0.00199 | 0.00108 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| m-Xylene & p-Xylene      | <0.00227             | U          | 0.00398 | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| o-Xylene                 | <0.00157             | U          | 0.00199 | 0.00157 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| Xylenes, Total           | <0.00227             | U          | 0.00398 | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:30 | 1       |
| Surrogato                | %Pecayeny            | Qualifier  | l imite |         |       |   | Propared       | Analyzed       | Dil Ear |

| Carrogato                   | 7071000107 | Quanno |          |   | rreparea       | rinaryzou      | D ao |
|-----------------------------|------------|--------|----------|---|----------------|----------------|------|
| 4-Bromofluorobenzene (Surr) | 113        |        | 70 - 130 |   | 05/21/25 09:45 | 05/21/25 17:30 | 1    |
| 1,4-Difluorobenzene (Surr)  | 78         |        | 70 - 130 | ( | 05/21/25 09:45 | 05/21/25 17:30 | 1    |
|                             |            |        |          |   |                |                |      |

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

| Analyte   | Result Qual | lifier RL | MDL Uni  | t D | Prepared | Analyzed       | Dil Fac |
|-----------|-------------|-----------|----------|-----|----------|----------------|---------|
| Total TPH | <15.1 U     | 49.8      | 15.1 mg/ | Kg  |          | 05/23/25 14:41 | 1       |

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

| Result | Qualifier               | RL                 | MDL                                    | Unit  | D   | Prepared  | Analyzed       | Dil Fac |
|--------|-------------------------|--------------------|--|---|---|---|----------------|---------|
| <14.5  | U                       | 49.8               | 14.5                                   | mg/Kg   |   | 05/20/25 16:37  | 05/23/25 14:41 | 1       |
|        |                         |                    |  |   |   |   |                |         |
| <15.1  | U                       | 49.8               | 15.1                                   | mg/Kg   |   | 05/20/25 16:37  | 05/23/25 14:41 | 1       |
|        |                         |                    |  |   |   |   |                |         |
| <15.1  | U                       | 49.8               | 15.1                                   | mg/Kg   |   | 05/20/25 16:37  | 05/23/25 14:41 | 1       |
| <15.1  | U                       | 49.8               | 15.1                                   | mg/Kg   |   | 05/20/25 16:37  | 05/23/25 14:41 | 1       |
|        | <14.5<br><15.1<br><15.1 | Result   Qualifier | <14.5 U 49.8 <15.1 U 49.8 <15.1 U 49.8 | <14.5 U 49.8 14.5 <15.1 U 49.8 15.1 <15.1 U 49.8 15.1 | <14.5 U 49.8 14.5 mg/Kg <15.1 U 49.8 15.1 mg/Kg <15.1 U 49.8 15.1 mg/Kg | <14.5 U 49.8 14.5 mg/Kg <15.1 U 49.8 15.1 mg/Kg <15.1 U 49.8 15.1 mg/Kg | <14.5          | <14.5   |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117       |           | 70 - 130 | 05/20/25 16:37 | 05/23/25 14:41 | 1       |
| o-Terphenyl    | 112       |           | 70 - 130 | 05/20/25 16:37 | 05/23/25 14:41 | 1       |

| Method: EPA 300.0 - Anions. | Ion Chromatography - Soluble | Δ |
|-----------------------------|------------------------------|---|
|                             |                              |   |

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 583    |           | 9.90 | 0.391 | mg/Kg |   |          | 05/22/25 02:55 | 1       |

Lab Sample ID: 890-8188-9

Job ID: 890-8188-1

Client: Ensolum Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: SW 01

Date Collected: 05/19/25 14:04 Date Received: 05/20/25 08:37

Sample Depth: 0-4

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00141  | U         | 0.00202  | 0.00141 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| m-Xylene & p-Xylene         | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| Xylenes, Total              | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 17:50 | 1       |

| Method: SW846 8015 NM - Diesel Range | Organ  | ics (DRO) (GC) |      |      |       |   |          |                |         |
|--------------------------------------|--------|----------------|------|------|-------|---|----------|----------------|---------|
| Analyte                              | Result | Qualifier      | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                            | 15.2   | J              | 50.0 | 15.1 | mg/Kg |   |          | 05/23/25 14:57 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |
| Diesel Range Organics (Over C10-C28)    | 15.2      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |
| Total TPH                               | 15.2      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 119       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |
| o-Terphenyl                             | 113       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 14:57 | 1       |

| Method: EPA 300.0 - Anions, Ion C | Chromatograp | hy - Soluble |      |       |       |   |          |                |         |
|-----------------------------------|--------------|--------------|------|-------|-------|---|----------|----------------|---------|
| Analyte                           | Result       | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 226          |              | 10.0 | 0.397 | mg/Kg |   |          | 05/22/25 03:02 | 1       |

Client Sample ID: SW 02 Lab Sample ID: 890-8188-10 **Matrix: Solid** 

Date Collected: 05/19/25 14:20 Date Received: 05/20/25 08:37

Sample Depth: 0-3

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) |           |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 18:11 | 1       |

Lab Sample ID: 890-8188-10

# **Client Sample Results**

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: SW 02

Date Collected: 05/19/25 14:20 Date Received: 05/20/25 08:37

Sample Depth: 0-3

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |  |
|--|--------|-----------|------|------|-------|---|----------|----------------|---------|--|--|
| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |  |
| Total TPH  | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 05/23/25 15:12 | 1       |  |  |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |
| Total TPH                               | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 121       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |
| o-Terphenyl                             | 115       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 15:12 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |          |        |           |      |       |       |   |          |                |         |
|--|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
|  | Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|  | Chloride | 109    |           | 10.1 | 0.398 | mg/Kg |   |          | 05/22/25 00:19 | 1       |

**Client Sample ID: FS 23** Lab Sample ID: 890-8188-11 Matrix: Solid

Date Collected: 05/19/25 15:22 Date Received: 05/20/25 08:37

Sample Depth: 1

| Analyte   | Result   | Qualifier                              | RL                           | MDL                         | Unit                     | D        | Prepared                               | Analyzed   | Dil Fac     |
|---|--|--|------------------------------|-----------------------------|--------------------------|----------|--|--|-------------|
| Benzene   | <0.00138   | U                                      | 0.00199                      | 0.00138                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| Toluene   | <0.00199   | U                                      | 0.00199                      | 0.00199                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| Ethylbenzene  | <0.00108   | U                                      | 0.00199                      | 0.00108                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| m-Xylene & p-Xylene   | <0.00227   | U                                      | 0.00398                      | 0.00227                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| o-Xylene  | < 0.00157  | U                                      | 0.00199                      | 0.00157                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| Xylenes, Total  | <0.00227   | U                                      | 0.00398                      | 0.00227                     | mg/Kg                    |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| Surrogate   | %Recovery  | Qualifier                              | Limits                       |                             |                          |          | Prepared                               | Analyzed   | Dil Fac     |
| 4-Bromofluorobenzene (Surr)   | 116  |  | 70 - 130                     |                             |                          |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| 1,4-Difluorobenzene (Surr)  | 73   |  | 70 - 130                     |                             |                          |          | 05/21/25 09:45                         | 05/21/25 18:31   | 1           |
| Method: SW846 8015 NM - Dies  |  |  |                              | MDI                         | Unit                     | n        | Prenared                               | Analyzed   | Dil Fac     |
| Method: SW846 8015 NM - Dies<br>Analyte<br>Total TPH  |  | Qualifier                              | GC)  RL 49.7                 | MDL<br>15.0                 |                          | <u>D</u> | Prepared                               | Analyzed 05/23/25 15:28                                  | Dil Fac     |
| Analyte Total TPH   | Result 16.3                                      | Qualifier J                            | <b>RL</b> 49.7               |                             | Unit<br>mg/Kg            | <u>D</u> | Prepared                               |  | Dil Fac     |
| Analyte   | Result 16.3 esel Range Orga                      | Qualifier J                            | <b>RL</b> 49.7               |                             | mg/Kg                    | <u>D</u> | Prepared Prepared                      |  | Dil Fac     |
| Analyte Total TPH  Method: SW846 8015B NM - Die   | Result 16.3 esel Range Orga                      | Qualifier  J  unics (DRO)  Qualifier   | RL 49.7                      | 15.0                        | mg/Kg                    |          | · · · · ·                              | 05/23/25 15:28   | 1           |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics   | Result 16.3 esel Range Orga Result               | Qualifier J anics (DRO) Qualifier U    | RL 49.7 (GC)                 | 15.0<br>MDL<br>14.4         | mg/Kg                    |          | Prepared                               | 05/23/25 15:28  Analyzed                                 | 1 Dil Fac   |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over          | Result 16.3 esel Range Orga Result <14.4         | Qualifier J anics (DRO) Qualifier U    | (GC) RL 49.7                 | 15.0<br>MDL<br>14.4<br>15.0 | mg/Kg  Unit mg/Kg        |          | Prepared 05/20/25 16:37                | 05/23/25 15:28  Analyzed  05/23/25 15:28                 | Dil Fac     |
| Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 16.3  Pesel Range Orga Result <14.4  16.3 | Qualifier J unics (DRO) Qualifier U JB | RL 49.7  (GC)  RL 49.7  49.7 | 15.0<br>MDL<br>14.4<br>15.0 | mg/Kg  Unit mg/Kg  mg/Kg |          | Prepared 05/20/25 16:37 05/20/25 16:37 | 05/23/25 15:28  Analyzed  05/23/25 15:28  05/23/25 15:28 | 1 Dil Fac 1 |

**Eurofins Carlsbad** 

05/23/25 15:28

05/20/25 16:37

70 - 130

121

1-Chlorooctane

**Matrix: Solid** 

Lab Sample ID: 890-8188-11

Lab Sample ID: 890-8188-12

# **Client Sample Results**

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

**Client Sample ID: FS 23** 

Date Collected: 05/19/25 15:22 Date Received: 05/20/25 08:37

Sample Depth: 1

| Method: SW846 8015B NM - Diesel Range Ord   | rapice (DPO) (GC) | (Continued) |
|---|-------------------|-------------|
| Method. 344046 of 13B MW - Dieser Range Ord | Janics (DRO) (GC) | (Continueu) |

| Surrogate   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|---------------------|----------|----------------|----------------|---------|
| o-Terphenyl | 115                 | 70 - 130 | 05/20/25 16:37 | 05/23/25 15:28 | 1       |

| Analyte  | Result Qual |      | MDL Un | nit D | Prepared | Analyzed       | Dil Fac |
|----------|-------------|------|--------|-------|----------|----------------|---------|
| Chloride | 120         | 10.1 |        | g/Kg  |          | 05/22/25 00:40 | 1       |

Client Sample ID: FS 26

Date Collected: 05/19/25 15:32 Date Received: 05/20/25 08:37

Sample Depth: 1

| Method: SW846 8   | NOAD Valatile  | Ounce Com   | d- (CC)     |
|-------------------|----------------|-------------|-------------|
| - Memoo: Syva46 a | uzib - voianie | Organic Com | DOUDOS (GC) |
|                   |                |             |             |

|                     | 3          | · · · · · · · · · · · · · · · · · · · |         |         |       |   |                |                |         |  |
|---------------------|------------|---------------------------------------|---------|---------|-------|---|----------------|----------------|---------|--|
| Analyte             | Result (   | Qualifier                             | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene             | <0.00140 U | U                                     | 0.00201 | 0.00140 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
| Toluene             | <0.00201 l | U                                     | 0.00201 | 0.00201 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
| Ethylbenzene        | <0.00109 U | U                                     | 0.00201 | 0.00109 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
| m-Xylene & p-Xylene | <0.00229 l | U                                     | 0.00402 | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
| o-Xylene            | <0.00159 U | U                                     | 0.00201 | 0.00159 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
| Xylenes, Total      | <0.00229 l | U                                     | 0.00402 | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 18:52 | 1       |  |
|                     |            |                                       |         |         |       |   |                |                |         |  |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 18:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 18:52 | 1       |

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

| Analyte   | Result Qualifier | RL   | MDL Unit   | D | Prepared | Analyzed       | Dil Fac |
|-----------|------------------|------|------------|---|----------|----------------|---------|
| Total TPH | <15.1 U          | 49.8 | 15.1 mg/Kg |   |          | 05/23/25 15:44 | 1       |

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

| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics           | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:44 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:44 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:44 | 1       |
| Total TPH                         | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:44 | 1       |
|                                   |        |           |      |      |       |   |                |                |         |

| Surrogate      | %Recovery Qua | alifier Limits | Prepared       | Analyzed       | Dil Fac |
|----------------|---------------|----------------|----------------|----------------|---------|
| 1-Chlorooctane | 127           | 70 - 130       | 05/20/25 16:37 | 05/23/25 15:44 | 1       |
| o-Terphenyl    | 120           | 70 - 130       | 05/20/25 16:37 | 05/23/25 15:44 | 1       |

| Method: EPA 300. | 0 - Anions Io | n Chromatograni | nv - Soluble |
|------------------|---------------|-----------------|--------------|

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 89.8   |           | 9.96 | 0.393 | mg/Kg |   |          | 05/22/25 00:47 | 1       |

Lab Sample ID: 890-8188-13

# **Client Sample Results**

Client: Ensolum
Project/Site: MOC Lobo
Job ID: 890-8188-1
SDG: 03C2284007

Client Sample ID: FS 28

Date Collected: 05/19/25 15:37 Date Received: 05/20/25 08:37

Sample Depth: 1

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00141  | U         | 0.00202  | 0.00141 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| m-Xylene & p-Xylene         | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| Xylenes, Total              | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 19:12 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|--|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH  | <15.1  | U —       | 49.9 | 15.1 | mg/Kg |   |          | 05/23/25 15:59 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |
| Total TPH                               | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 126       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |
| o-Terphenyl                             | 120       |           | 70 - 130 |      |       |   | 05/20/25 16:37 | 05/23/25 15:59 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatograp | hy - Soluble |      |       |       |   |          |                |         |
|-----------------------------------|-------------|--------------|------|-------|-------|---|----------|----------------|---------|
| Analyte                           | Result      | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 237         |              | 9.98 | 0.394 | mg/Kg |   |          | 05/22/25 00:54 | 1       |

Client Sample ID: FS 29

Lab Sample ID: 890-8188-14

Date Collected: 05/19/25 15:40

Matrix: Solid

Date Collected: 05/19/25 15:40 Date Received: 05/20/25 08:37

Sample Depth: 3

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) |           |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |         |       |   | 05/21/25 09:45 | 05/21/25 19:33 | 1       |

**Eurofins Carlsbad** 

2

3

7

0

10

12

. .

Lab Sample ID: 890-8188-14

Analyzed

05/22/25 01:01

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8188-1

 Project/Site: MOC Lobo
 SDG: 03C2284007

Client Sample ID: FS 29

Date Collected: 05/19/25 15:40 Date Received: 05/20/25 08:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

93.2

Sample Depth: 3

Analyte

Chloride

| Analyte                                 | Result        | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|---------------|------------|----------|------|-------|---|----------------|----------------|---------|
| Total TPH                               | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   |                | 05/24/25 18:57 | 1       |
| Method: SW846 8015B NM - Dies           | el Range Orga | nics (DRO) | (GC)     |      |       |   |                |                |         |
| Analyte                                 | Result        | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5         | U          | 49.8     | 14.5 | mg/Kg |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |
| Total TPH                               | <15.1         | U          | 49.8     | 15.1 | mg/Kg |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |
| Surrogate                               | %Recovery     | Qualifier  | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 92            |            | 70 - 130 |      |       |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |
| o-Terphenyl                             | 94            |            | 70 - 130 |      |       |   | 05/20/25 16:34 | 05/24/25 18:57 | 1       |

RL

9.94

MDL Unit

0.393 mg/Kg

Prepared

1

Dil Fac

# **Surrogate Summary**

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

|                     |                        |          |          | Percent Surrogate Recovery (Acceptar |
|---------------------|------------------------|----------|----------|--------------------------------------|
|                     |                        | BFB1     | DFBZ1    |                                      |
| Lab Sample ID       | Client Sample ID       | (70-130) | (70-130) |                                      |
| 890-8187-A-41-C MS  | Matrix Spike           | 105      | 99       |                                      |
| 890-8187-A-41-D MSD | Matrix Spike Duplicate | 104      | 96       |                                      |
| 390-8188-1          | FS 11                  | 99       | 80       |                                      |
| 390-8188-2          | FS 14                  | 110      | 82       |                                      |
| 390-8188-3          | FS 15                  | 103      | 82       |                                      |
| 390-8188-4          | FS 16                  | 109      | 79       |                                      |
| 390-8188-5          | FS 19                  | 111      | 78       |                                      |
| 390-8188-6          | FS 20                  | 114      | 79       |                                      |
| 390-8188-7          | FS 21                  | 107      | 78       |                                      |
| 390-8188-8          | FS 22                  | 113      | 78       |                                      |
| 390-8188-9          | SW 01                  | 110      | 80       |                                      |
| 390-8188-10         | SW 02                  | 116      | 79       |                                      |
| 390-8188-11         | FS 23                  | 116      | 73       |                                      |
| 390-8188-12         | FS 26                  | 105      | 78       |                                      |
| 390-8188-13         | FS 28                  | 111      | 79       |                                      |
| 390-8188-14         | FS 29                  | 113      | 81       |                                      |
| LCS 880-110587/1-A  | Lab Control Sample     | 109      | 89       |                                      |
| LCSD 880-110587/2-A | Lab Control Sample Dup | 102      | 97       |                                      |
| MB 880-110587/5-A   | Method Blank           | 102      | 77       |                                      |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

|                     |                        | 1001     | OTPH1    |
|---------------------|------------------------|----------|----------|
| Lab Sample ID       | Client Sample ID       | (70-130) | (70-130) |
| 890-8187-A-21-B MS  | Matrix Spike           | 110      | 106      |
| 890-8187-A-21-C MSD | Matrix Spike Duplicate | 107      | 104      |
| 890-8187-A-40-C MS  | Matrix Spike           | 137 S1+  | 164 S1+  |
| 890-8187-A-40-D MSD | Matrix Spike Duplicate | 134 S1+  | 163 S1+  |
| 890-8188-1          | FS 11                  | 126      | 122      |
| 890-8188-2          | FS 14                  | 126      | 120      |
| 890-8188-3          | FS 15                  | 107      | 105      |
| 890-8188-4          | FS 16                  | 117      | 111      |
| 890-8188-5          | FS 19                  | 122      | 118      |
| 890-8188-6          | FS 20                  | 122      | 115      |
| 890-8188-7          | FS 21                  | 113      | 109      |
| 890-8188-8          | FS 22                  | 117      | 112      |
| 890-8188-9          | SW 01                  | 119      | 113      |
| 890-8188-10         | SW 02                  | 121      | 115      |
| 890-8188-11         | FS 23                  | 121      | 115      |
| 890-8188-12         | FS 26                  | 127      | 120      |
| 890-8188-13         | FS 28                  | 126      | 120      |
| 890-8188-14         | FS 29                  | 92       | 94       |
| LCS 880-110556/2-A  | Lab Control Sample     | 116      | 114      |
| LCS 880-110557/2-A  | Lab Control Sample     | 146 S1+  | 130      |

# **Surrogate Summary**

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

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

Matrix: Solid Prep Type: Total/NA

|                      |                        |          |          | Percent Surrogate Recovery (Acceptance Limit |
|----------------------|------------------------|----------|----------|--|
|                      |                        | 1CO1     | OTPH1    |  |
| Lab Sample ID        | Client Sample ID       | (70-130) | (70-130) |  |
| LCSD 880-110556/3-A  | Lab Control Sample Dup | 99       | 98       |  |
| LCSD 880-110557/3-A  | Lab Control Sample Dup | 142 S1+  | 133 S1+  |  |
| MB 880-110556/1-A    | Method Blank           | 87       | 93       |  |
| MB 880-110557/1-A    | Method Blank           | 119      | 116      |  |
| Surrogate Legend     |                        |          |          |  |
| 1CO = 1-Chlorooctane |                        |          |          |  |
| OTPH = o-Terphenyl   |                        |          |          |  |

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110587/5-A

**Matrix: Solid** 

Analysis Batch: 110572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110587

MB MB

| Analyte             | Result    | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| Toluene             | <0.00200  | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| Ethylbenzene        | < 0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| o-Xylene            | <0.00158  | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| Xylenes, Total      | <0.00229  | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
|                     |           |           |         |         |       |   |                |                |         |

MB MB

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 11:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 | 05/21/25 09:45 | 05/21/25 11:27 | 1       |

Lab Sample ID: LCS 880-110587/1-A

**Matrix: Solid** 

Analysis Batch: 110572

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 110587

|                     | Spike | LC3     | LUS       |       |   |      | /orec    |      |
|---------------------|-------|---------|-----------|-------|---|------|----------|------|
| Analyte             | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |      |
| Benzene             | 0.100 | 0.08816 | -         | mg/Kg |   | 88   | 70 - 130 | <br> |
| Toluene             | 0.100 | 0.09102 |           | mg/Kg |   | 91   | 70 - 130 |      |
| Ethylbenzene        | 0.100 | 0.09225 |           | mg/Kg |   | 92   | 70 - 130 |      |
| m-Xylene & p-Xylene | 0.200 | 0.1951  |           | mg/Kg |   | 98   | 70 - 130 |      |
| o-Xylene            | 0.100 | 0.09905 |           | mg/Kg |   | 99   | 70 - 130 |      |
|                     |       |         |           |       |   |      |          |      |

LCS LCS

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |

Lab Sample ID: LCSD 880-110587/2-A

**Matrix: Solid** 

Analysis Batch: 110572

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Prep Batch: 110587** 

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit 0.08938 Benzene 0.100 mg/Kg 89 70 - 130 35 Toluene 0.100 0.08954 mg/Kg 90 70 - 130 2 35 Ethylbenzene 0.100 0.09038 mg/Kg 90 70 - 130 2 35 m-Xylene & p-Xylene 0.200 0.1888 mg/Kg 94 70 - 130 35 0.100 0.09547 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |
| 1.4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |

Lab Sample ID: 890-8187-A-41-C MS

**Matrix: Solid** 

Analysis Batch: 110572

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

Prep Batch: 110587

MS MS Sample Sample Spike %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits <0.00139 U 0.100 0.08443 84 70 - 130 Benzene mg/Kg Toluene <0.00200 U 0.100 0.07632 mg/Kg 76 70 - 130

Job ID: 890-8188-1 Client: Ensolum Project/Site: MOC Lobo SDG: 03C2284007

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

Lab Sample ID: 890-8187-A-41-C MS Client Sample ID: Matrix Spike Prep Type: Total/NA

**Matrix: Solid** 

Analysis Batch: 110572

|                     | Sample   | Sample    | Spike | MS      | MS        |       |   |      | %Rec     |  |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Ethylbenzene        | <0.00109 | U F1      | 0.100 | 0.06892 | F1        | mg/Kg |   | 69   | 70 - 130 |  |
| m-Xylene & p-Xylene | <0.00228 | U F1      | 0.200 | 0.1425  |           | mg/Kg |   | 71   | 70 - 130 |  |
| o-Xylene            | <0.00158 | U F1      | 0.100 | 0.07251 |           | mg/Kg |   | 73   | 70 - 130 |  |

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 105 1,4-Difluorobenzene (Surr) 70 - 130 99

Lab Sample ID: 890-8187-A-41-D MSD

**Matrix: Solid** Analysis Batch: 110572

| Client Sample ID: | Matrix 9 | Spike | Duplicate |
|-------------------|----------|-------|-----------|
|                   | _        | _     |           |

Prep Type: Total/NA

**Prep Batch: 110587** 

Prep Batch: 110587

Sample Sample Spike MSD MSD Result Qualifier Added RPD Limit Analyte Result Qualifier %Rec Limits Unit Benzene <0.00139 U 0.100 0.08170 mg/Kg 82 70 - 130 3 35 0.07297 73 Toluene <0.00200 U 0.100 mg/Kg 70 - 130 4 35 Ethylbenzene <0.00109 UF1 0.100 0.06574 F1 66 70 - 130 35 mg/Kg 5 0.200 70 - 130 35 m-Xylene & p-Xylene <0.00228 U F1 0.1337 F1 mg/Kg 67 6 0.100 <0.00158 U F1 0.06751 F1 68 70 - 130 o-Xylene mg/Kg

MSD MSD

| Surrogate                   | %Recovery | Qualifier | Limits   |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |

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

Lab Sample ID: MB 880-110556/1-A

**Matrix: Solid** 

Analysis Batch: 110845

| Client | Sample | ID: | Method | Blank |
|--------|--------|-----|--------|-------|
|        |        |     |        |       |

Prep Type: Total/NA

Prep Batch: 110556

|   | MB     | MB        |      |      |       |   |                |                |         |
|---|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                                 | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 05/20/25 16:22 | 05/24/25 02:10 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:22 | 05/24/25 02:10 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:22 | 05/24/25 02:10 | 1       |
| Total TPH                               | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:22 | 05/24/25 02:10 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepare    | ed   | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|------------|------|----------------|---------|
| 1-Chlorooctane | 87        |           | 70 - 130 | 05/20/25 1 | 6:22 | 05/24/25 02:10 | 1       |
| o-Terphenyl    | 93        |           | 70 - 130 | 05/20/25 1 | 6:22 | 05/24/25 02:10 | 1       |

Lab Sample ID: LCS 880-110556/2-A

**Matrix: Solid** 

Analysis Batch: 110845

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

Prep Batch: 110556

Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec 1000 968.8 70 - 130

**Eurofins Carlsbad** 

мв мв

LCS LCS

mg/Kg

# **QC Sample Results**

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

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

| Lab Sample ID: LCS 880-110556/2-A |  | Client Sample ID: Lab Control Sample |
|-----------------------------------|--|--------------------------------------|
| Matrix: Solid                     |  | Prep Type: Total/NA                  |
| Analysis Batch: 110845            |  | Prep Batch: 110556                   |
|                                   |  |                                      |

|                             |      | Spike | LCS    | LCS       |       |   |      | %Rec     |      |
|-----------------------------|------|-------|--------|-----------|-------|---|------|----------|------|
| Analyte                     |      | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |      |
| Diesel Range Organics (Over | <br> | 1000  | 858.4  |           | mg/Kg |   | 86   | 70 - 130 | <br> |
| C10-C28)                    |      |       |        |           |       |   |      |          |      |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 116       |           | 70 - 130 |
| o-Terphenyl    | 114       |           | 70 - 130 |

Lab Sample ID: LCSD 880-110556/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 110845

Prep Type: Total/NA

Prep Batch: 110556

Spike LCSD LCSD %Rec RPD

|                             | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics     | 1000  | 816.9  |           | mg/Kg |   | 82   | 70 - 130 | 17  | 20    |
| (GRO)-C6-C10                |       |        |           |       |   |      |          |     |       |
| Diesel Range Organics (Over | 1000  | 738.5  |           | mg/Kg |   | 74   | 70 - 130 | 15  | 20    |
| C10-C28)                    |       |        |           |       |   |      |          |     |       |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 99        |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: 890-8187-A-21-B MS

Matrix: Solid

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

Analysis Batch: 110845 Prep Batch: 110556

|                             | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |  |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                     | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics     | <14.5  | U         | 998   | 935.1  |           | mg/Kg |   | 94   | 70 - 130 |  |
| (GRO)-C6-C10                |        |           |       |        |           |       |   |      |          |  |
| Diesel Range Organics (Over | <15.1  | U         | 998   | 853.9  |           | mg/Kg |   | 86   | 70 - 130 |  |
| C10-C28)                    |        |           |       |        |           |       |   |      |          |  |

|              |    | MS        | MS        |          |
|--------------|----|-----------|-----------|----------|
| Surrogate    |    | %Recovery | Qualifier | Limits   |
| 1-Chloroocta | пе | 110       |           | 70 - 130 |
| o-Terphenyl  |    | 106       |           | 70 - 130 |

Lab Sample ID: 890-8187-A-21-C MSD

Client Sample ID: Matrix Spike Duplicate
Matrix: Solid

Prep Type: Total/NA

 Analysis Batch: 110845

 Sample Analysis Batch: 110845
 Sample Sample Spike
 MSD MSD MSD
 WRec Republic
 RPD Limit

 Analyte Gasoline Range Organics
 <14.5</td>
 U
 998
 908.8
 Unit mg/Kg
 D
 WRec Limits RPD Limit
 RPD Limit

 CORREL OR ALE
 U
 998
 908.8
 mg/Kg
 91
 70 - 130
 3
 20

| Analyte   | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Gasoline Range Organics                                 | <14.5  | U         | 998   | 908.8  |           | mg/Kg |   | 91   | 70 - 130 | 3   | 20    |
| (GRO)-C6-C10<br>Diesel Range Organics (Over<br>C10-C28) | <15.1  | U         | 998   | 790.1  |           | mg/Kg |   | 79   | 70 - 130 | 8   | 20    |

|   | C10-C28)       |           |           |          |
|---|----------------|-----------|-----------|----------|
|   |                | MSD       | MSD       |          |
|   | Surrogate      | %Recovery | Qualifier | Limits   |
|   | 1-Chlorooctane | 107       |           | 70 - 130 |
|   | o-Terphenyl    | 104       |           | 70 - 130 |
| _ | _              |           |           |          |

**Eurofins Carlsbad** 

Δ

6

8

11 12

13

14

iiiis Galisba

Lab Sample ID: MB 880-110557/1-A

**Matrix: Solid** 

Analysis Batch: 110847

# QC Sample Results

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

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

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 110557** 

|                                   | MB     | MB        |      |      |       |   |                |                |         |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics           | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 05/20/25 16:23 | 05/23/25 08:44 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | 15.30  | J         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:23 | 05/23/25 08:44 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:23 | 05/23/25 08:44 | 1       |
| Total TPH                         | 15.30  | J         | 50.0 | 15.1 | mg/Kg |   | 05/20/25 16:23 | 05/23/25 08:44 | 1       |
|                                   |        |           |      |      |       |   |                |                |         |

мв мв

| Surrogate      | %Recovery Qualified | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|---------------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 119                 | 70 - 130 | 05/20/25 16:23 | 05/23/25 08:44 | 1       |
| o-Terphenyl    | 116                 | 70 - 130 | 05/20/25 16:23 | 05/23/25 08:44 | 1       |

Lab Sample ID: LCS 880-110557/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid

Analysis Batch: 110847

Prep Type: Total/NA

Prep Batch: 110557

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics 1000 1115 111 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1055 mg/Kg 105 70 - 130 C10-C28)

LCS LCS

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |
|----------------|-----------|-----------|----------|--|--|
| 1-Chlorooctane | 146       | S1+       | 70 - 130 |  |  |
| o-Terphenyl    | 130       |           | 70 - 130 |  |  |

Lab Sample ID: LCSD 880-110557/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 110847

Prep Type: Total/NA

**Prep Batch: 110557** 

|                             | Sp  | ike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |
|-----------------------------|-----|-----|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                     | Add | led | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics     |     | 000 | 1136   |           | mg/Kg |   | 114  | 70 - 130 | 2   | 20    |
| (GRO)-C6-C10                |     |     |        |           |       |   |      |          |     |       |
| Diesel Range Organics (Over | 10  | 000 | 1077   |           | mg/Kg |   | 108  | 70 - 130 | 2   | 20    |
| C10-C28)                    |     |     |        |           |       |   |      |          |     |       |

**Matrix: Solid** 

|                | LUSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 142       | S1+       | 70 - 130 |
| o-Terphenyl    | 133       | S1+       | 70 - 130 |

Client Sample ID: Matrix Spike

Lab Sample ID: 890-8187-A-40-C MS

Prep Type: Total/NA **Prep Batch: 110557** Analysis Batch: 110847

|   | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |      |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|------|
| Analyte                                 | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |      |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U         | 996   | 1057   |           | mg/Kg |   | 106  | 70 - 130 | <br> |
| Diesel Range Organics (Over<br>C10-C28) | 6100   | В         | 996   | 2466   | 4         | mg/Kg |   | -365 | 70 - 130 |      |

**Prep Batch: 110557** 

Prep Type: Total/NA

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

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

Lab Sample ID: 890-8187-A-40-C MS Client Sample ID: Matrix Spike Prep Type: Total/NA

**Matrix: Solid** 

Analysis Batch: 110847

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 137       | S1+       | 70 - 130 |
| o-Terphenyl    | 164       | S1+       | 70 - 130 |

Lab Sample ID: 890-8187-A-40-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

| Analysis Batch: 110847                  |        |           |       |        |           |       |   |      | Prep     | Batch: 1 | 10557 |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|----------|-------|
|   | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec     |          | RPD   |
| Analyte                                 | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD      | Limit |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U         | 996   | 1044   |           | mg/Kg |   | 105  | 70 - 130 | 1        | 20    |
| Diesel Range Organics (Over C10-C28)    | 6100   | В         | 996   | 2420   | 4         | mg/Kg |   | -370 | 70 - 130 | 2        | 20    |

MSD MSD Surrogate %Recovery Qualifier Limits 134 S1+ 70 - 130 1-Chlorooctane o-Terphenyl 163 S1+ 70 - 130

# Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110581/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110647

|         | MB  | MB |
|---------|-----|----|
| and the | D14 | A  |

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395 | U         | 10.0 | 0.395 | mg/Kg |   |          | 05/21/25 23:38 | 1       |

Lab Sample ID: LCS 880-110581/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 110647

|          | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Chloride | 250   | 265.8  |           | mg/Kg |   | 106  | 90 - 110 |  |

Lab Sample ID: LCSD 880-110581/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110647

|          | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Chloride | 250   | 262.6  |           | mg/Kg |   | 105  | 90 - 110 | 1   | 20    |

Lab Sample ID: 890-8187-A-44-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110647

| 7 maryoro Batom 1100 m | Sample | Sample | Spike | MS    | MS        |       |   |      | %Rec     |  |
|------------------------|--------|--------|-------|-------|-----------|-------|---|------|----------|--|
| Analyte                | Result |        | Added |       | Qualifier | Unit  | D | %Rec | Limits   |  |
| Chloride               | 160    | F1     | 253   | 440.2 | F1        | mg/Kg |   | 111  | 90 - 110 |  |

**Eurofins Carlsbad** 

Released to Imaging: 9/10/2025 3:33:37 PM

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8187-A-44-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 110647

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Qualifier Analyte Added Result Unit D %Rec Limits RPD Limit Chloride 160 F1 253 433.9 mg/Kg 108 90 - 110 20

Lab Sample ID: MB 880-110643/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 110649** 

мв мв MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <0.395 U 10.0 0.395 mg/Kg 05/21/25 23:57

Lab Sample ID: LCS 880-110643/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110649

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 257.7 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-110643/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110649

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD Limit D Limits 255.2 Chloride 250 102 90 - 110 20 mg/Kg

Lab Sample ID: 890-8188-10 MS Client Sample ID: SW 02 **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110649

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 252 Chloride 109 349.7 mg/Kg 95 90 - 110

Lab Sample ID: 890-8188-10 MSD

**Matrix: Solid** 

Analysis Batch: 110649

Released to Imaging: 9/10/2025 3:33:37 PM

Sample Sample Spike MSD MSD %Rec **RPD** Result Added Qualifier RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 109 252 347 4 mg/Kg 95 90 - 110 20

**Eurofins Carlsbad** 

Client Sample ID: SW 02

**Prep Type: Soluble** 

Client: Ensolum
Project/Site: MOC Lobo
Job ID: 890-8188-1
SDG: 03C2284007

# **GC VOA**

#### Analysis Batch: 110572

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8188-1          | FS 11                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-2          | FS 14                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-3          | FS 15                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-4          | FS 16                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-5          | FS 19                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-6          | FS 20                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-7          | FS 21                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-8          | FS 22                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-9          | SW 01                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-10         | SW 02                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-11         | FS 23                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-12         | FS 26                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-13         | FS 28                  | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8188-14         | FS 29                  | Total/NA  | Solid  | 8021B  | 110587     |
| MB 880-110587/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110587     |
| LCS 880-110587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110587     |
| LCSD 880-110587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8187-A-41-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 110587     |
| 890-8187-A-41-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 110587     |

#### **Prep Batch: 110587**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batc |
|---------------------|------------------------|-----------|--------|--------|-----------|
| 890-8188-1          | FS 11                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-2          | FS 14                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-3          | FS 15                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-4          | FS 16                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-5          | FS 19                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-6          | FS 20                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-7          | FS 21                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-8          | FS 22                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-9          | SW 01                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-10         | SW 02                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-11         | FS 23                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-12         | FS 26                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-13         | FS 28                  | Total/NA  | Solid  | 5035   |           |
| 890-8188-14         | FS 29                  | Total/NA  | Solid  | 5035   |           |
| MB 880-110587/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |           |
| LCS 880-110587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |           |
| LCSD 880-110587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |           |
| 890-8187-A-41-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |           |
| 890-8187-A-41-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |           |

# **GC Semi VOA**

# **Prep Batch: 110556**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8188-14         | FS 29                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110556/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110556/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110556/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8187-A-21-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |

**Eurofins Carlsbad** 

3

4

6

8

4.6

11

14

. .

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

# GC Semi VOA (Continued)

# Prep Batch: 110556 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8187-A-21-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

#### **Prep Batch: 110557**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batcl |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8188-1          | FS 11                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-2          | FS 14                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-3          | FS 15                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-4          | FS 16                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-5          | FS 19                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-6          | FS 20                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-7          | FS 21                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-8          | FS 22                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-9          | SW 01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-10         | SW 02                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-11         | FS 23                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-12         | FS 26                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8188-13         | FS 28                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110557/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110557/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110557/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8187-A-40-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8187-A-40-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

#### **Analysis Batch: 110845**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8188-14         | FS 29                  | Total/NA  | Solid  | 8015B NM | 110556     |
| MB 880-110556/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110556     |
| LCS 880-110556/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110556     |
| LCSD 880-110556/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110556     |
| 890-8187-A-21-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110556     |
| 890-8187-A-21-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110556     |

#### **Analysis Batch: 110847**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8188-1          | FS 11                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-2          | FS 14                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-3          | FS 15                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-4          | FS 16                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-5          | FS 19                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-6          | FS 20                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-7          | FS 21                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-8          | FS 22                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-9          | SW 01                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-10         | SW 02                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-11         | FS 23                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-12         | FS 26                  | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8188-13         | FS 28                  | Total/NA  | Solid  | 8015B NM | 110557     |
| MB 880-110557/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110557     |
| LCS 880-110557/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110557     |
| LCSD 880-110557/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110557     |
| 890-8187-A-40-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110557     |

 Client: Ensolum
 Job ID: 890-8188-1

 Project/Site: MOC Lobo
 SDG: 03C2284007

# GC Semi VOA (Continued)

# **Analysis Batch: 110847 (Continued)**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8187-A-40-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110557     |

#### Analysis Batch: 110973

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8188-1    | FS 11            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-2    | FS 14            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-3    | FS 15            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-4    | FS 16            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-5    | FS 19            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-6    | FS 20            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-7    | FS 21            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-8    | FS 22            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-9    | SW 01            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-10   | SW 02            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-11   | FS 23            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-12   | FS 26            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-13   | FS 28            | Total/NA  | Solid  | 8015 NM |            |
| 890-8188-14   | FS 29            | Total/NA  | Solid  | 8015 NM |            |

# HPLC/IC

#### Leach Batch: 110581

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8188-1          | FS 11                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-2          | FS 14                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-3          | FS 15                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-4          | FS 16                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-5          | FS 19                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-6          | FS 20                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-7          | FS 21                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-8          | FS 22                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-9          | SW 01                  | Soluble   | Solid  | DI Leach |            |
| MB 880-110581/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110581/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110581/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8187-A-44-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-8187-A-44-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

#### Leach Batch: 110643

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8188-10         | SW 02                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-11         | FS 23                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-12         | FS 26                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-13         | FS 28                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-14         | FS 29                  | Soluble   | Solid  | DI Leach |            |
| MB 880-110643/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110643/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110643/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8188-10 MS      | SW 02                  | Soluble   | Solid  | DI Leach |            |
| 890-8188-10 MSD     | SW 02                  | Soluble   | Solid  | DI Leach |            |

**Eurofins Carlsbad** 

3

4

6

8

10

12

13

 Client: Ensolum
 Job ID: 890-8188-1

 Project/Site: MOC Lobo
 SDG: 03C2284007

# HPLC/IC

#### Analysis Batch: 110647

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8188-1          | FS 11                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-2          | FS 14                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-3          | FS 15                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-4          | FS 16                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-5          | FS 19                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-6          | FS 20                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-7          | FS 21                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-8          | FS 22                  | Soluble   | Solid  | 300.0  | 110581     |
| 890-8188-9          | SW 01                  | Soluble   | Solid  | 300.0  | 110581     |
| MB 880-110581/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110581     |
| LCS 880-110581/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110581     |
| LCSD 880-110581/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110581     |
| 890-8187-A-44-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 110581     |
| 890-8187-A-44-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 110581     |

# Analysis Batch: 110649

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8188-10         | SW 02                  | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-11         | FS 23                  | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-12         | FS 26                  | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-13         | FS 28                  | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-14         | FS 29                  | Soluble   | Solid  | 300.0  | 110643     |
| MB 880-110643/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110643     |
| LCS 880-110643/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110643     |
| LCSD 880-110643/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-10 MS      | SW 02                  | Soluble   | Solid  | 300.0  | 110643     |
| 890-8188-10 MSD     | SW 02                  | Soluble   | Solid  | 300.0  | 110643     |

**Eurofins Carlsbad** 

Released to Imaging: 9/10/2025 3:33:37 PM

2

3

4

6

8

10

13

Client: Ensolum Job ID: 890-8188-1 Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: FS 11

Lab Sample ID: 890-8188-1 Date Collected: 05/19/25 11:10 Matrix: Solid

Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.98 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 13:52 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 12:49 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 12:49 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.96 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 01:54 | CH      | EET MID |

Client Sample ID: FS 14 Lab Sample ID: 890-8188-2 Date Collected: 05/19/25 10:54 **Matrix: Solid** 

Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.99 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 14:13 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 13:05 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.00 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 13:05 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.98 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:01 | CH      | EET MID |

**Client Sample ID: FS 15** Lab Sample ID: 890-8188-3

Date Collected: 05/19/25 12:37 Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 14:33 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 13:21 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 13:21 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.97 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:21 | CH      | EET MID |

Lab Sample ID: 890-8188-4 **Client Sample ID: FS 16** 

Date Collected: 05/19/25 12:45 Date Received: 05/20/25 08:37

| Batch     |          | Batch       | Batch | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-------|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run   | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |       |        | 5.01 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |       | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 14:54 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |       | 1      |         |        | 110973 | 05/23/25 13:37 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |       |        | 10.04 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |       | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 13:37 | TKC     | EET MID |

**Eurofins Carlsbad** 

**Matrix: Solid** 

Matrix: Solid

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: FS 16

Date Collected: 05/19/25 12:45 Date Received: 05/20/25 08:37 Lab Sample ID: 890-8188-4

Matrix: Solid

|           | Batch    | Batch    |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method   | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Soluble   | Leach    | DI Leach |     |        | 4.98 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0    |     | 1      |         |        | 110647 | 05/22/25 02:28 | CH      | EET MID |

Client Sample ID: FS 19 Lab Sample ID: 890-8188-5

Date Collected: 05/19/25 12:53
Date Received: 05/20/25 08:37

Matrix: Solid

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.95 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 16:28 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 13:52 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.03 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 13:52 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.04 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:35 | CH      | EET MID |

Client Sample ID: FS 20 Lab Sample ID: 890-8188-6

Date Collected: 05/19/25 12:56
Date Received: 05/20/25 08:37

Matrix: Solid

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.97 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 16:49 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 14:08 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 14:08 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.03 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:41 | CH      | EET MID |

Client Sample ID: FS 21

Date Collected: 05/19/25 12:59

Lab Sample ID: 890-8188-7

Matrix: Solid

Date Collected: 05/19/25 12:59 Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 17:09 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 14:25 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 14:25 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:48 | CH      | EET MID |

**Eurofins Carlsbad** 

2

1

5

7

9

11 12

13

14

00 9199 7

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

Client Sample ID: FS 22 Lab Sample ID: 890-8188-8

Date Collected: 05/19/25 13:02 Matrix: Solid
Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 17:30 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 14:41 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 14:41 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.05 g  | 50 mL  | 110581 | 05/21/25 08:49 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110647 | 05/22/25 02:55 | CH      | EET MID |

Client Sample ID: SW 01 Lab Sample ID: 890-8188-9

Date Collected: 05/19/25 14:04

Date Received: 05/20/25 08:37

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared or Analyzed Method Number Type Factor Amount Amount Analyst Prep Type Run Lab 5035 110587 Total/NA Prep 4.95 g 5 mL 05/21/25 09:45 AA **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 110572 05/21/25 17:50 MNR **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 110973 05/23/25 14:57 SM Total/NA 8015NM Prep 10.01 g 10 mL 110557 05/20/25 16:37 EL EET MID Prep Total/NA Analysis 8015B NM 1 uL 1 uL 110847 05/23/25 14:57 TKC **EET MID** DI Leach 110581 Soluble Leach 4.98 g 50 mL 05/21/25 08:49 SA EET MID Soluble Analysis 300.0 110647 05/22/25 03:02 СН **EET MID** 

Client Sample ID: SW 02 Lab Sample ID: 890-8188-10

Date Collected: 05/19/25 14:20 Matrix: Solid
Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.02 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 18:11 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 15:12 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 15:12 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.96 g  | 50 mL  | 110643 | 05/21/25 14:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110649 | 05/22/25 00:19 | CH      | EET MID |

Client Sample ID: FS 23

Lab Sample ID: 890-8188-11

Date Collected: 05/19/25 15:22

Matrix: Solid

Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 18:31 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 15:28 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.07 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 15:28 | TKC     | EET MID |

**Eurofins Carlsbad** 

2

3

6

<u>.</u> 8

4.0

11

13

onno Ganobac

Client: Ensolum Job ID: 890-8188-1 SDG: 03C2284007 Project/Site: MOC Lobo

Client Sample ID: FS 23

Date Collected: 05/19/25 15:22 Date Received: 05/20/25 08:37

Lab Sample ID: 890-8188-11

Matrix: Solid

|           | Batch    | Batch    |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method   | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Soluble   | Leach    | DI Leach |     |        | 4.95 g  | 50 mL  | 110643 | 05/21/25 14:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0    |     | 1      |         |        | 110649 | 05/22/25 00:40 | CH      | EET MID |

Client Sample ID: FS 26 Lab Sample ID: 890-8188-12

Date Collected: 05/19/25 15:32 Date Received: 05/20/25 08:37

**Matrix: Solid** 

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.98 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 18:52 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 15:44 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 15:44 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110643 | 05/21/25 14:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110649 | 05/22/25 00:47 | CH      | EET MID |

Client Sample ID: FS 28 Lab Sample ID: 890-8188-13

Date Collected: 05/19/25 15:37

**Matrix: Solid** 

Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.95 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 19:12 | MNR     | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/23/25 15:59 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.03 g | 10 mL  | 110557 | 05/20/25 16:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 15:59 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.01 g  | 50 mL  | 110643 | 05/21/25 14:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110649 | 05/22/25 00:54 | CH      | EET MID |

Client Sample ID: FS 29 Lab Sample ID: 890-8188-14 **Matrix: Solid** 

Date Collected: 05/19/25 15:40 Date Received: 05/20/25 08:37

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |   |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|---|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |   |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110587 | 05/21/25 09:45 | AA      | EET MID | - |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110572 | 05/21/25 19:33 | MNR     | EET MID |   |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110973 | 05/24/25 18:57 | SM      | EET MID |   |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110556 | 05/20/25 16:34 | EL      | EET MID |   |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110845 | 05/24/25 18:57 | TKC     | EET MID |   |
| Soluble   | Leach    | DI Leach    |     |        | 5.03 g  | 50 mL  | 110643 | 05/21/25 14:13 | SA      | EET MID |   |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110649 | 05/22/25 01:01 | CH      | EET MID |   |

Laboratory References:

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

# **Accreditation/Certification Summary**

Client: Ensolum
Project/Site: MOC Lobo
Job ID: 890-8188-1
SDG: 03C2284007

# **Laboratory: Eurofins Midland**

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

| Authority       | Progra                            | ım                            | Identification Number                     | Expiration Date        |
|-----------------|-----------------------------------|-------------------------------|---|------------------------|
| Texas           | NELAF                             | )                             | T104704400                                | 06-30-25               |
| ,               | s are included in this report, bu | t the laboratory is not certi | fied by the governing authority. This lis | t may include analytes |
| Analysis Method | Prep Method                       | Matrix                        | Analyte                                   |                        |
| 8015 NM         |                                   | Solid                         | Total TPH                                 |                        |
| 8015B NM        | 8015NM Prep                       | Solid                         | Total TPH                                 |                        |

4

9

10

12

# **Method Summary**

Client: Ensolum Job ID: 890-8188-1
Project/Site: MOC Lobo SDG: 03C2284007

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

#### Laboratory References:

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

4

6

Я

9

1 1

12

IJ

# **Sample Summary**

Client: Ensolum Project/Site: MOC Lobo Job ID: 890-8188-1

SDG: 03C2284007

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-8188-1    | FS 11            | Solid  | 05/19/25 11:10 | 05/20/25 08:37 | 2     |
| 890-8188-2    | FS 14            | Solid  | 05/19/25 10:54 | 05/20/25 08:37 | 2     |
| 890-8188-3    | FS 15            | Solid  | 05/19/25 12:37 | 05/20/25 08:37 | 0.5   |
| 890-8188-4    | FS 16            | Solid  | 05/19/25 12:45 | 05/20/25 08:37 | 0.5   |
| 890-8188-5    | FS 19            | Solid  | 05/19/25 12:53 | 05/20/25 08:37 | 0.5   |
| 890-8188-6    | FS 20            | Solid  | 05/19/25 12:56 | 05/20/25 08:37 | 0.5   |
| 890-8188-7    | FS 21            | Solid  | 05/19/25 12:59 | 05/20/25 08:37 | 0.5   |
| 890-8188-8    | FS 22            | Solid  | 05/19/25 13:02 | 05/20/25 08:37 | 0.5   |
| 890-8188-9    | SW 01            | Solid  | 05/19/25 14:04 | 05/20/25 08:37 | 0-4   |
| 890-8188-10   | SW 02            | Solid  | 05/19/25 14:20 | 05/20/25 08:37 | 0-3   |
| 890-8188-11   | FS 23            | Solid  | 05/19/25 15:22 | 05/20/25 08:37 | 1     |
| 890-8188-12   | FS 26            | Solid  | 05/19/25 15:32 | 05/20/25 08:37 | 1     |
| 890-8188-13   | FS 28            | Solid  | 05/19/25 15:37 | 05/20/25 08:37 | 1     |
| 890-8188-14   | FS 29            | Solid  | 05/19/25 15:40 | 05/20/25 08:37 | 3     |

# eurofins

Address: City, State ZIP:

3122 National Parks Hwy Carlsbad, NM 88220

City, State ZIP:

Bill to: (if different) Company Name:

Address:

State of Project:

Reporting: Level III Level III PST/UST TRRP Level IV

Project Manager: Company Name:

Jeremy Reich
Ensolum LLC

Environment Testing
Xenco

# Chain of Custody

| roject Name:   N             | MOC Lobo  |                                     | Turn                                  | Turn Around                           |                            |  |  | ANALYSIS REQ                                | QUEST   |   | Preservative Codes  |
|------------------------------|---|-------------------------------------|---------------------------------------|---------------------------------------|----------------------------|--|--|---|---|---|---|
| ň                            | 03C2284007  |                                     | Routine                               | Rush                                  | Pres.                      |  |  |   |   | None: NO  | :: NO DI Water: H <sub>2</sub> O                                  |
| roject Location: 3           | 32.444437, -103.688210  |                                     | Due Date:                             |                                       |                            |  |  |   |   | Cool: Cool  | Cool MeOH: Me   |
| Sampler's Name: C            | Chris Wright  |                                     | TAT starts the                        | TAT starts the day received by        | у                          |  |  |   |   | HCL: HC   | HC HNO <sub>3</sub> : HN  |
|                              |   |                                     | the lab, if rece                      | the lab, if received by 4:30pm        | _                          |  |  |   |   | H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>         | 4: H <sub>2</sub> NaOH: Na  |
| SAMPLE RECEIPT               | T Temp Blank:   | Yes (Nò                             | Wet Ice:                              | (Fe) No                               | nete                       |  |  |   |   | Н₃РО  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| samples Received Intact:     |   | Thermometer ID:                     | r ID:                                 | Three                                 | ıran                       | 5  |  |   |   | NaHS  | NaHSO <sub>4</sub> : NABIS  |
| Cooler Custody Seals:        | ~   | Correction Factor:                  | actor:                                | 2.0-                                  | Pa                         | ES   |  |   |   | Na <sub>2</sub> S.                                      | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub> |
| Sample Custody Seals:        | Yes No (NIA)  | Temperature Reading:                | Reading:                              | 5.4                                   |                            | 10   |  |   |   | Zn Ac   | Zn Acetate+NaOH: Zn   |
| otal Containers:             |   | Corrected Temperature:              | mperature:                            | 57                                    | ļ                          | OR<br>H                                    |  |   |   | NaOh  | NaOH+Ascorbic Acid: SAPC  |
| Sample Identification        | fication Matrix   | Date<br>Sampled                     | Time<br>Sampled                       | Depth Grab/                           | Grab/ # of<br>Comp Cont    |  | 01-  |   |   |   | Sample Comments   |
| FS11                         | Л   | 5/19/25                             | 11/6                                  | 2' 6                                  | -                          | 7 7 7                                      |  |   |   |   |   |
| HIS                          | S   | 5/19/25                             | 1054                                  | 2' C                                  | 1                          | イ~~  |  |   |   |   |   |
| FS15                         | 8   | 5/p/25                              | 1257                                  | 05 C                                  | -                          | \ \ \ \ \ \                                |  |   |   |   |   |
| FS16                         | S   | 5/19/25                             |                                       | 0,5 C                                 | -                          | ノノノ  |  |   |   |   |   |
| FS19                         | 8   | 5/19/25                             |                                       | 0.5 C                                 | -                          |  |  |   |   |   |   |
| 520                          | ح ا   |                                     |                                       | 0.5   C                               | -                          | 777  |  |   |   |   |   |
| 521                          | J   |                                     |                                       | 0.5 C                                 | 1                          |  |  |   |   |   |   |
| 322                          | 5   | 5/19/15                             |                                       | 2 5.0                                 | -                          | 1111                                       |  |   |   |   |   |
| SW61                         | 2   | 5/9/25                              |                                       | 0-4 6                                 | _                          | 1111                                       |  |   |   |   |   |
| SW02                         | 5   |                                     | 1420                                  | 03 C                                  | -                          | 111  |  |   |   |   |   |
| Total 200.7 / 6010           | 0 200.8 / 6020:   | 8 <del>7</del>                      | CRA 13PF                              | 8RCRA 13PPM Texas 11                  | ≥                          | Sb As Ba Be B                              | са са                                      | Cr Co Cu Fe Pb                              | - 11  | Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn | TI Sn U V Zn  |
| Method(s) and                | ircle Method(s) and Metal(s) to be analyzed   | zed                                 | TCLP / SP                             | LP 6010: 8                            | RCRA                       | Sb As Ba Be                                | Cd Cr Co C                                 | u Pb Mn Mo                                  | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U  | Hg: 1631 / 245.1 / 7470 / 7471                          | 1/7470/7471   |
| gnature of this doc          | otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors.  | of samples const                    | titutes a valid pu                    | archase order fro                     | om client o                | ompany to Eurofins )                       | enco, its affiliates                       | and subcontractor                           | s. It assigns standard terms and conditions   | s and conditions  |   |
| s Xenco. A minimu            | service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms | st of samples and applied to each p | d shall not assur<br>project and a ch | me any responsi<br>arge of \$5 for ea | bility for a<br>ach sample | ny losses or expenses submitted to Eurofir | s incurred by the c<br>is Xenco, but not a | lient if such losses<br>analyzed. These ter | service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control  Eurofins Xenco, A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | eyond the control<br>previously negotiated.             |   |
| Relinquished by: (Signature) | (Signature)   | Received                            | Received by: (Signature)              | ture)                                 |                            | Date/Time                                  | Relinquis                                  | Relinquished by: (Signature)                |   | Received by: (Signature)                                | Date/Time   |

Revised Date: 08/25/2020 Rev. 2020.3

# 13

eurofins : Xenco **Environment Testing** 

City, State ZIP:

Address: Company Name:

3122 National Parks Hwy

Carlsbad, NM 88220

City, State ZIP:

Company Name: Bill to: (if different)

Ensolum LLC

Project Manager:

Jeremy Reich

# Chain of Custody

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

Work Order No:

|   | C. C  |
|---|---|
|   | www.xenco.com Page C of C                                     |
|   | Work Order Comments   |
|   | Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐       |
|   | State of Project:   |
|   | Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ |
| 1 | ]   |

| hone: 432   | 432.296.0627  | Email: jreich@ens   | solum.com cwi   | right@ensolum.com                                 | Email: jreich@ensolum.com cwright@ensolum.com kthomason@ensolum.com   | Deliverables: EDD   | ADaPT Other:  | ier:                       |
|---|---|---|---|---|---|---|---|----------------------------|
| Project Name: MOC   | MOC Lobo  | Turn Around   |   |   | ANALYSIS REQU   | JEST  | Preser  | Preservative Codes         |
| er:   | 03C2284007  | Routine  Rush   | Pres.<br>Code   |   |   |   | None: NO  | DI Water: H <sub>2</sub> O |
| roject Location: 32.4   | 32.444437, -103.688210  | Due Date:   |   |   |   |   | Cool: Cool  | МеОН: Ме                   |
|   | Chris Wright  | TAT starts the day received by  | ed by   |   |   |   | HCL: HC   | HNO <sub>3</sub> : HN      |
| **  |   | the lab, if received by 4:30pm  |   |   |   |   | H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT  | Temp Blank: Yes   | No Wet Ice: Yes   | ete   |   |   |   | H₃PO₄: HP   |                            |
| amples Received Intact:   | Yes No. Thermometer ID:   | neter ID:   |   |   |   |   | NaHSO <sub>4</sub> : NABIS  | BIS                        |
| Cooler Custody Seals:   | N/A   | Correction Factor:  |   | ¥S  |   |   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub> | SO <sub>3</sub>            |
| ample Custody Seals:  | Z/A   | Temperature Reading:  |   | 02  |   |   | Zn Acetate+NaOH: Zn   | VaOH: Zn                   |
| otal Containers:  |   | Corrected Temperature:  |   |   |   |   | NaOH+Asco   | NaOH+Ascorbic Acid: SAPC   |
| Sample Identification   | Matrix  | Depth   | Grab/ # of Comp Cont                                      | CHL<br>TPL<br>BIE                                 |   |   | Sampl   | Sample Comments            |
| 523   | 3/19/25   | 1522 1  | 0   | \<br>\<br>\<br>\                                  |   |   |   |                            |
| 26  |   | 1   | C -   | 4 4 4   |   |   |   |                            |
| 528   | S 8/19/25   |   | $C \mid \iota \mid$                                       | 1/1/  |   |   |   |                            |
| 529   |   |   | 0 1   |   |   |   |   |                            |
| /   |   |   |   |   |   |   |   |                            |
|   |   |   |   |   |   |   |   |                            |
|   |   | 7   |   |   |   |   |   |                            |
|   | 1   | A CONTRACTOR  |   |   |   |   |   |                            |
|   |   | /   |   |   |   |   |   |                            |
|   |   |   | 1   |   |   |   |   |                            |
| Total 200.7 / 6010  | 200.8 / 6020:   | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca   | s 11 Al Sb  | As Ba Be B Co                                     | Cr Co Cu Fe Pb  | Mg Mn Mo Ni K Se Ag   | Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn                            | UZ V U                     |
| ircle Method(s) and Metal(s) to be analyzed   | tal(s) to be analyzed   | TCLP / SPLP 6010: 8RCRA   | 11  | Sb As Ba Be Cd                                    | Cd Cr Co Cu Pb Mn Mo Ni Se Ag   | TI U  | Hg: 1631 / 245.1 / 7470 /   | 0 / 7471                   |
| e: Signature of this document in the second | nt and relinquishment of samples<br>e liable only for the cost of sample<br>harge of \$85.00 will be applied to | constitutes a valid purchase orde<br>es and shall not assume any respo<br>each project and a charge of \$5 fo | r from client com<br>onsibility for any or each sample su | pany to Eurofins Xenco<br>losses or expenses incu | otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions (service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control services. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotia | t assigns standard terms and conditions adue to circumstances beyond the control will be enforced unless previously negotiated. | nditions<br>e control<br>/ negotiated.                            |                            |
| Relinquished by: (Signature)  | nature) Rece  | Received by: (Signature)  |   | Date/Time   | Relinquished by: (Signature)  | e) Received by: (Signature)   | (Signature)   | Date/Time                  |
| Char That   | Colech  | 4   | 8   | 3/ 7/20   |   |   |   |                            |

# **Login Sample Receipt Checklist**

 Client: Ensolum
 Job Number: 890-8188-1

 SDG Number: 03C2284007

Login Number: 8188 List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

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

\_\_

3

4

6

4 4

12

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8188-1 SDG Number: 03C2284007

**List Source: Eurofins Midland** 

Login Number: 8188 List Number: 2 List Creation: 05/21/25 07:59 AM

Creator: Laing, Edmundo

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

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Jeremy Reich Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 5/27/2025 12:49:35 PM

# **JOB DESCRIPTION**

MOC LOBO 03C2284007

# **JOB NUMBER**

890-8192-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

# **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**

Generated 5/27/2025 12:49:35 PM

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

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

Page 2 of 42 5/27/2025

Client: Ensolum
Project/Site: MOC LOBO
Laboratory Job ID: 890-8192-1
SDG: 03C2284007

# **Table of Contents**

| Cover Page             | 1  |
|------------------------|----|
| Table of Contents      | 3  |
| Definitions/Glossary   | 4  |
| Case Narrative         | 5  |
| Client Sample Results  | 7  |
| Surrogate Summary      | 18 |
| QC Sample Results      | 20 |
| QC Association Summary | 28 |
| Lab Chronicle          | 32 |
| Certification Summary  | 36 |
| Method Summary         | 37 |
| Sample Summary         | 38 |
| Chain of Custody       | 39 |
| Receipt Checklists     | 41 |

3

4

6

8

10

12

13

# **Definitions/Glossary**

Job ID: 890-8192-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

#### **Qualifiers**

**GC VOA** 

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

Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier

В Compound was found in the blank and sample. F1 MS and/or MSD recovery exceeds control limits.

**Qualifier Description** 

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

**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)

Dil Fac **Dilution Factor** 

Detection Limit (DoD/DOE) DL

DL. RA. RE. IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit **PQL** 

**PRES** Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

**TNTC** Too Numerous To Count

#### Case Narrative

Client: Ensolum Job ID: 890-8192-1 Project: MOC LOBO

**Eurofins Carlsbad** Job ID: 890-8192-1

#### Job Narrative 890-8192-1

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
- 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 5/21/2025 8:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 04 (890-8192-1), FS 17 (890-8192-2), FS 12 (890-8192-3), FS 13 (890-8192-4), FS 25 (890-8192-5), FS 30 (890-8192-6), FS 18 (890-8192-7), FS 31 (890-8192-8), FS 32 (890-8192-9), FS 35 (890-8192-10), FS 36 (890-8192-11), FS 37 (890-8192-12), FS 34 (890-8192-13) and FS 39 (890-8192-14).

#### **GC VOA**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-110692 recovered above the under control limit for Benzene. An acceptable CCV was ran within the 12 hour limit, therefore the data has been qualified and reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS 31 (890-8192-8). 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.

#### **Diesel Range Organics**

Method 8015MOD\_NM: The method blank for preparation batch 880-110664 and analytical batch 880-110739 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: FS 17 (890-8192-2), FS 25 (890-8192-5), FS 18 (890-8192-7), FS 36 (890-8192-11), (890-8192-A-1-C MS) and (890-8192-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: FS 04 (890-8192-1), FS 13 (890-8192-4) and FS 30 (890-8192-6). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110795 and analytical batch 880-110819 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The method blank for preparation batch 880-110775 and analytical batch 880-110847 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-110775/2-A) and (LCSD 880-110775/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: FS 37 (890-8192-12), FS 34 (890-8192-13) and FS 39 (890-8192-14). Evidence of matrix interferences is not obvious.

# **Case Narrative**

Client: Ensolum Job ID: 890-8192-1
Project: MOC LOBO

Job ID: 890-8192-1 (Continued)

**Eurofins Carlsbad** 

Method 8015MOD\_NM: The method blank for preparation batch 880-110795 and analytical batch 880-110819 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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 880-110652 and analytical batch 880-110710 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.

**Eurofins Carlsbad** 

3

4

5

6

0

9

11

13

Job ID: 890-8192-1

05/21/25 16:38

05/22/25 18:39

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: FS 04 Lab Sample ID: 890-8192-1

Date Collected: 05/20/25 12:02 Matrix: Solid Date Received: 05/21/25 08:02

Sample Depth: 4

| Analyte  | Result   | Qualifier   | RL            | MDL                         | Unit                          | D        | Prepared                               | Analyzed   | Dil Fac |
|--|--|---|---------------|-----------------------------|-------------------------------|----------|--|--|---------|
| Benzene  | <0.00139                                       | U   | 0.00200       | 0.00139                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| Toluene  | <0.00200                                       | U   | 0.00200       | 0.00200                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| Ethylbenzene   | <0.00109                                       | U   | 0.00200       | 0.00109                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| m-Xylene & p-Xylene  | <0.00228                                       | U   | 0.00399       | 0.00228                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| o-Xylene   | <0.00158                                       | U   | 0.00200       | 0.00158                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| Xylenes, Total   | <0.00228                                       | U   | 0.00399       | 0.00228                     | mg/Kg                         |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| Surrogate  | %Recovery                                      | Qualifier   | Limits        |                             |                               |          | Prepared                               | Analyzed   | Dil Fa  |
| 4-Bromofluorobenzene (Surr)  | 123  |   | 70 - 130      |                             |                               |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| 1,4-Difluorobenzene (Surr)   | 102  |   | 70 - 130      |                             |                               |          | 05/22/25 10:22                         | 05/22/25 12:13   |         |
| Method: SW846 8015 NM - Die  |  | , ,,  | •             | MDI                         | 1114                          | 5        | Description                            |  | D!! F-  |
|  |  | Qualifier   | GC)  RL  50.0 | MDL<br>15.1                 | Unit<br>mg/Kg                 | <u>D</u> | Prepared                               | <b>Analyzed</b> 05/22/25 18:39   | Dil Fa  |
| Method: SW846 8015 NM - Die<br>Analyte<br>Total TPH  | Result 32.7                                    | Qualifier J                                       | FL 50.0       |                             |                               | <u>D</u> | Prepared                               | Analyzed   | Dil Fac |
| Method: SW846 8015 NM - Die<br>Analyte   | Result 32.7 iesel Range Orga                   | Qualifier J                                       | FL 50.0       |                             | mg/Kg                         | D_       | Prepared Prepared                      | Analyzed   |         |
| Method: SW846 8015 NM - Die<br>Analyte<br>Total TPH<br>Method: SW846 8015B NM - Di   | Result 32.7 iesel Range Orga                   | Qualifier  J  nics (DRO)  Qualifier               | RL 50.0       | 15.1                        | mg/Kg                         |          | · ·                                    | Analyzed 05/22/25 18:39  |         |
| Method: SW846 8015 NM - Die<br>Analyte<br>Total TPH  Method: SW846 8015B NM - Di<br>Analyte Gasoline Range Organics  | Result 32.7 iesel Range Orga                   | Qualifier  J  nics (DRO)  Qualifier  U            | RL   50.0     | 15.1<br>MDL<br>14.5         | mg/Kg                         |          | Prepared                               | Analyzed 05/22/25 18:39 Analyzed   | Dil Fa  |
| Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)                                   | Result 32.7 iesel Range Orga Result < 14.5     | Qualifier  J  nics (DRO)  Qualifier  U  J B       | RL            | 15.1<br>MDL<br>14.5         | mg/Kg  Unit mg/Kg             |          | Prepared 05/21/25 16:38                | Analyzed 05/22/25 18:39  Analyzed 05/22/25 18:39                               | Dil Fa  |
| Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result 32.7 iesel Range Orga Result <14.5 32.7 | Qualifier  J  nics (DRO)  Qualifier  U  J B       | RL   50.0     | 15.1<br>MDL<br>14.5<br>15.1 | mg/Kg  Unit mg/Kg  mg/Kg      |          | Prepared 05/21/25 16:38 05/21/25 16:38 | Analyzed 05/22/25 18:39  Analyzed 05/22/25 18:39 05/22/25 18:39                | Dil Fa  |
| Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over  | Result   | Qualifier  J  nics (DRO)  Qualifier  U  JB  U  JB | RL   50.0     | 15.1<br>MDL<br>14.5<br>15.1 | mg/Kg  Unit mg/Kg mg/Kg mg/Kg |          | Prepared 05/21/25 16:38 05/21/25 16:38 | Analyzed 05/22/25 18:39  Analyzed 05/22/25 18:39 05/22/25 18:39 05/22/25 18:39 | Dil Fac |

| <br>Method: EPA 300.0 - Anions, Ion CI | hromatograpl | ny - Soluble |      |      |       |   |          |                |         |
|--|--------------|--------------|------|------|-------|---|----------|----------------|---------|
| Analyte                                | Result       | Qualifier    | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                               | 2860         |              | 49.8 | 1.97 | mg/Kg |   |          | 05/22/25 12:29 | 5       |

70 - 130

132 S1+

**Client Sample ID: FS 17** Lab Sample ID: 890-8192-2

Date Collected: 05/20/25 12:04 **Matrix: Solid** Date Received: 05/21/25 08:02

Sample Depth: 2

o-Terphenyl

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00202  | 0.00140 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| m-Xylene & p-Xylene         | <0.00230  | U         | 0.00403  | 0.00230 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00403  | 0.00230 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 12:34 | 1       |

Lab Sample ID: 890-8192-2

# **Client Sample Results**

Client: EnsolumJob ID: 890-8192-1Project/Site: MOC LOBOSDG: 03C2284007

Client Sample ID: FS 17

Date Collected: 05/20/25 12:04 Date Received: 05/21/25 08:02

Sample Depth: 2

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |                  |      |            |   |          |                |         |  |
|--|------------------|------|------------|---|----------|----------------|---------|--|
| Analyte  | Result Qualifier | RL   | MDL Unit   | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH  | 34.5 J           | 50.0 | 15.1 ma/Ka |   |          | 05/22/25 19:24 |         |  |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |
| Diesel Range Organics (Over C10-C28)    | 34.5      | J B       | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |
| Total TPH                               | 34.5      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 136       | S1+       | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |
| o-Terphenyl                             | 140       | S1+       | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 19:24 | 1       |

| Method: EPA 300.0 - Anions, Ion Ch | romatograp | hy - Soluble |      |       |       |   |          |                |         |
|------------------------------------|------------|--------------|------|-------|-------|---|----------|----------------|---------|
| Analyte                            | Result     | Qualifier    | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                           | 504        |              | 9.92 | 0.392 | mg/Kg |   |          | 05/22/25 12:36 | 1       |

Client Sample ID: FS 12

Date Collected: 05/20/25 12:14

Lab Sample ID: 890-8192-3

Matrix: Solid

Date Collected: 05/20/25 12:14 Date Received: 05/21/25 08:02

Sample Depth: 4

| Method: SW846 8021B - Volati     |                 |             | •        | MDI     | 1114  | _ | Duranana       | A II           | D:: F   |
|----------------------------------|-----------------|-------------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                          |                 | Qualifier   | RL       | MDL     |       | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                          | <0.00138        | U           | 0.00198  | 0.00138 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| Toluene                          | <0.00198        | U           | 0.00198  | 0.00198 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| Ethylbenzene                     | <0.00108        | U           | 0.00198  | 0.00108 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| m-Xylene & p-Xylene              | <0.00226        | U           | 0.00396  | 0.00226 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| o-Xylene                         | <0.00157        | U           | 0.00198  | 0.00157 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| Xylenes, Total                   | <0.00226        | U           | 0.00396  | 0.00226 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| Surrogate                        | %Recovery       | Qualifier   | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 124             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| 1,4-Difluorobenzene (Surr)       | 103             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 12:55 | 1       |
| -<br>Method: SW846 8015 NM - Die | sel Range Organ | ics (DRO) ( | GC)      |         |       |   |                |                |         |
| Analyte                          | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                        | 30.3            | T. Control  | 49.9     | 15.1    | mg/Kg |   |                | 05/22/25 19:39 | 1       |

| Total TPH                         | 30.3          | J          | 49.9     | 15.1 | mg/Kg |   |                | 05/22/25 19:39 | 1       |
|-----------------------------------|---------------|------------|----------|------|-------|---|----------------|----------------|---------|
| Method: SW846 8015B NM - Diese    | el Range Orga | nics (DRO) | (GC)     |      |       |   |                |                |         |
| Analyte                           | Result        | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics           | <14.5         | U          | 49.9     | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:39 | 1       |
| (GRO)-C6-C10                      |               |            |          |      |       |   |                |                |         |
| Diesel Range Organics (Over       | 30.3          | JB         | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:39 | 1       |
| C10-C28)                          |               |            |          |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1         | U          | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:39 | 1       |
| Total TPH                         | 30.3          | JB         | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 19:39 | 1       |
|                                   |               |            |          |      |       |   |                |                |         |
| Surrogate                         | %Recovery     | Qualifier  | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 71            |            | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 19:39 | 1       |

**Eurofins Carlsbad** 

2

3

\_

7

9

12

1 1

**Matrix: Solid** 

Lab Sample ID: 890-8192-3

Lab Sample ID: 890-8192-4

Analyzed

05/22/25 19:54

# **Client Sample Results**

Client: Ensolum Job ID: 890-8192-1 SDG: 03C2284007 Project/Site: MOC LOBO

Client Sample ID: FS 12

Date Collected: 05/20/25 12:14 Date Received: 05/21/25 08:02

Sample Depth: 4

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

| Surrogate   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|---------------------|----------|----------------|----------------|---------|
| o-Terphenyl | 73                  | 70 - 130 | 05/21/25 16:38 | 05/22/25 19:39 | 1       |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 2380   |           | 49.5 | 1.96 | mg/Kg |   |          | 05/22/25 12:56 | 5       |

**Client Sample ID: FS 13** 

Date Collected: 05/20/25 12:17 Date Received: 05/21/25 08:02

Sample Depth: 4

Analyte

**Total TPH** 

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 13:15 | 1       |

| Method: SW846 8015 NM - Diesel Range C | Organics (DRO) (GO | <b>c</b> ) |                |                |   |
|--|--------------------|------------|----------------|----------------|---|
| 1,4-Difluorobenzene (Surr)             | 105                | 70 - 130   | 05/22/25 10:22 | 05/22/25 13:15 | 1 |
| 4-Bromotiuoropenzene (Surr)            | 123                | 70 - 130   | 05/22/25 10:22 | 05/22/25 13:15 | 7 |

49.8

MDL Unit

15.1 mg/Kg

Prepared

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

Result Qualifier

29.0 J

| Result | Qualifier              | RL                 | MDL                                      | Unit  | D  | Prepared  | Analyzed  | Dil Fac |
|--------|------------------------|--------------------|--|---|--|---|---|---------|
| <14.5  | U                      | 49.8               | 14.5                                     | mg/Kg   |  | 05/21/25 16:38  | 05/22/25 19:54  | 1       |
|        |                        |                    |  |   |  |   |   |         |
| 29.0   | JB                     | 49.8               | 15.1                                     | mg/Kg   |  | 05/21/25 16:38  | 05/22/25 19:54  | 1       |
|        |                        |                    |  |   |  |   |   |         |
| <15.1  | U                      | 49.8               | 15.1                                     | mg/Kg   |  | 05/21/25 16:38  | 05/22/25 19:54  | 1       |
| 29.0   | JB                     | 49.8               | 15.1                                     | mg/Kg   |  | 05/21/25 16:38  | 05/22/25 19:54  | 1       |
|        | <14.5<br>29.0<br><15.1 | Result   Qualifier | <14.5 U 49.8  29.0 JB 49.8  <15.1 U 49.8 | <14.5 U 49.8 14.5 29.0 JB 49.8 15.1 <15.1 U 49.8 15.1 | <14.5 U 49.8 14.5 mg/Kg  29.0 J B 49.8 15.1 mg/Kg  <15.1 U 49.8 15.1 mg/Kg | <14.5 U 49.8 14.5 mg/Kg 29.0 JB 49.8 15.1 mg/Kg <15.1 U 49.8 15.1 mg/Kg | <14.5 U 49.8 14.5 mg/Kg 05/21/25 16:38 29.0 J B 49.8 15.1 mg/Kg 05/21/25 16:38 <15.1 U 49.8 15.1 mg/Kg 05/21/25 16:38 | <14.5   |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 128       |           | 70 - 130 | 05/21/25 16:38 | 05/22/25 19:54 | 1       |
| o-Terphenyl    | 132       | S1+       | 70 - 130 | 05/21/25 16:38 | 05/22/25 19:54 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |          |                  |      |           |      |          |                |         |  |  |
|--|----------|------------------|------|-----------|------|----------|----------------|---------|--|--|
|  | Analyte  | Result Qualifier | RL   | MDL Uni   | it D | Prepared | Analyzed       | Dil Fac |  |  |
|  | Chloride | 872              | 9.90 | 0.391 mg/ | J/Kg |          | 05/22/25 13:03 | 1       |  |  |

**Eurofins Carlsbad** 

Dil Fac

Lab Sample ID: 890-8192-5

Job ID: 890-8192-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

**Client Sample ID: FS 25** 

Date Collected: 05/20/25 12:24 Date Received: 05/21/25 08:02

Sample Depth: 1

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00201  | 0.00110 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| m-Xylene & p-Xylene         | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 13:35 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |           |        |           |      |      |       |   |          |                |         |
|--|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
|  | Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|  | Total TPH | 31.7   | J         | 49.9 | 15.1 | mg/Kg |   |          | 05/22/25 20:09 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |
| Diesel Range Organics (Over C10-C28)    | 31.7      | JB        | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |
| Total TPH                               | 31.7      | JB        | 49.9     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 138       | S1+       | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |
| o-Terphenyl                             | 142       | S1+       | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 20:09 | 1       |

| Method: EPA 300.0 - Anions, Ion C |                  |      |             |   |          |                |         |
|-----------------------------------|------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 332              | 9.96 | 0.393 mg/Kg |   |          | 05/22/25 13:23 | 1       |

**Client Sample ID: FS 30** Lab Sample ID: 890-8192-6 **Matrix: Solid** 

Date Collected: 05/20/25 13:55 Date Received: 05/21/25 08:02

Sample Depth: 1

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| o-Xylene                    | < 0.00159 | U         | 0.00200  | 0.00159 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 13:56 | 1       |

Job ID: 890-8192-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

**Client Sample ID: FS 30** Lab Sample ID: 890-8192-6 Date Collected: 05/20/25 13:55 Matrix: Solid

Date Received: 05/21/25 08:02 Sample Depth: 1

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |           |        |           |      |      |       |   |          |                |         |
|--|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
|  | Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|  | Total TPH | 27.7   | J         | 50.0 | 15.1 | mg/Kg |   |          | 05/22/25 20:24 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |
| Diesel Range Organics (Over C10-C28)    | 27.7      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |
| Total TPH                               | 27.7      | JB        | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 130       |           | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |
| o-Terphenyl                             | 134       | S1+       | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 20:24 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |          |        |           |      |       |       |   |          |                |         |
|--|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
|  | Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|  | Chloride | 201    |           | 9.94 | 0.393 | mg/Kg |   |          | 05/22/25 13:30 | 1       |

**Client Sample ID: FS 18** Lab Sample ID: 890-8192-7 Matrix: Solid

Date Collected: 05/20/25 14:30 Date Received: 05/21/25 08:02

Sample Depth: 3

| Analyte                     | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138        | U           | 0.00199  | 0.00138 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| Toluene                     | <0.00199        | U           | 0.00199  | 0.00199 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| Ethylbenzene                | <0.00108        | U           | 0.00199  | 0.00108 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| m-Xylene & p-Xylene         | <0.00227        | U           | 0.00398  | 0.00227 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| o-Xylene                    | < 0.00157       | U           | 0.00199  | 0.00157 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| Xylenes, Total              | <0.00227        | U           | 0.00398  | 0.00227 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| Surrogate                   | %Recovery       | Qualifier   | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 14:16 | 1       |
| Method: SW846 8015 NM - Die | sel Range Organ | ics (DRO) ( | GC)      |         |       |   |                |                |         |
| Analyte                     | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                   | 26.7            | J           | 50.0     | 15.1    | mg/Kg |   |                | 05/22/25 20:39 | 1       |

| - Iotal IPH                             | 20.7           | 3          | 30.0     | 13.1 | mg/kg |   |                | 03/22/23 20.39 | '       |
|---|----------------|------------|----------|------|-------|---|----------------|----------------|---------|
| -<br>Method: SW846 8015B NM - Dies      | sel Range Orga | nics (DRO) | (GC)     |      |       |   |                |                |         |
| Analyte                                 | Result         | Qualifier  | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5          | U          | 50.0     | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:39 | 1       |
| Diesel Range Organics (Over C10-C28)    | 26.7           | JB         | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:39 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1          | U          | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:39 | 1       |
| Total TPH                               | 26.7           | JB         | 50.0     | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:39 | 1       |
| Surrogate                               | %Recovery      | Qualifier  | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 133            | S1+        | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 20:39 | 1       |

**Matrix: Solid** 

Lab Sample ID: 890-8192-7

Lab Sample ID: 890-8192-8

# **Client Sample Results**

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

**Client Sample ID: FS 18** 

Date Collected: 05/20/25 14:30 Date Received: 05/21/25 08:02

Sample Depth: 3

| Method: SW846 8015B NM - Diesel Ran          | ge Organics ( | (DRO) (GC) | (Continued)  |
|--|---------------|------------|--------------|
| motifical city to the contract time brooking | go organioo i | -:, ()     | ( Continuou) |

| Surrogate   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 137       | S1+       | 70 - 130 | 05/21/25 16:38 | 05/22/25 20:39 | 1       |

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | ט | Prepared | Analyzed       | DII Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 202    |           | 9.92 | 0.392 | mg/Kg |   |          | 05/22/25 13:37 | 1       |

Client Sample ID: FS 31

Date Collected: 05/20/25 14:35 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Method: SW846 8021B - | · Volatile Organic Compounds (GC) |
|-----------------------|-----------------------------------|
| Analyte               | Result Qualifier                  |

| Analyte             | Result    | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| Toluene             | <0.00200  | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| Ethylbenzene        | < 0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| o-Xylene            | <0.00158  | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| Xylenes, Total      | < 0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
|                     |           |           |         |         |       |   |                |                |         |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 131       | S1+       | 70 - 130 | 05/22/25 10:22 | 05/22/25 14:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 05/22/25 10:22 | 05/22/25 14:37 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|--|
| Total TPH | 23.9   | ī         | 49.8 |     | ma/Ka |   |          | 05/22/25 20:53 | 1       |  |

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

| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics           | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:53 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | 23.9   | J B       | 49.8 | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:53 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:53 | 1       |
| Total TPH                         | 23.9   | JB        | 49.8 | 15.1 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 20:53 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 122       |           | 70 - 130 | 05/21/25 16:38 | 05/22/25 20:53 | 1       |
| o-Terphenvl    | 125       |           | 70 - 130 | 05/21/25 16:38 | 05/22/25 20:53 | 1       |

|                       |             | <u> </u>      |              |
|-----------------------|-------------|---------------|--------------|
| Method: EPA 300.0 - A | Anions. Ion | Chromatograph | ıv - Soluble |

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 91.9   |           | 10.0 | 0.397 | mg/Kg |   |          | 05/22/25 13:44 | 1       |

Lab Sample ID: 890-8192-9

# **Client Sample Results**

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

**Client Sample ID: FS 32** 

Date Collected: 05/20/25 14:38 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 14:57 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |           |        |           |      |      |       |   |          |                |         |
|--|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
|  | Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|  | Total TPH | 28.0   | J         | 49.7 | 15.0 | mg/Kg |   |          | 05/22/25 21:08 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |
| Diesel Range Organics (Over C10-C28)    | 28.0      | JB        | 49.7     | 15.0 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |
| Total TPH                               | 28.0      | JB        | 49.7     | 15.0 | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 126       |           | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |
| o-Terphenyl                             | 129       |           | 70 - 130 |      |       |   | 05/21/25 16:38 | 05/22/25 21:08 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatography - Soluble |      |             |   |          |                |         |
|-----------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 608                     | 10.1 | 0.398 mg/Kg |   |          | 05/22/25 13:51 | 1       |

**Client Sample ID: FS 35** Lab Sample ID: 890-8192-10 **Matrix: Solid** 

Date Collected: 05/20/25 14:27 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 15:18 | 1       |

Lab Sample ID: 890-8192-10

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: FS 35

Date Collected: 05/20/25 14:27 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |  |  |
|--|--------|-----------|------|------|-------|---|----------|----------------|---------|--|--|--|
| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |  |  |
| Total TPH  | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 05/23/25 16:59 | 1       |  |  |  |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |
| Diesel Range Organics (Over C10-C28)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |
| Total TPH                               | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 94        |           | 70 - 130 |      |       |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |
| o-Terphenyl                             | 91        |           | 70 - 130 |      |       |   | 05/23/25 08:40 | 05/23/25 16:59 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|--|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride   | 546    |           | 9.94 | 0.393 | mg/Kg |   |          | 05/22/25 13:57 | 1       |

Client Sample ID: FS 36

Lab Sample ID: 890-8192-11

Date Collected: 05/20/25 14:24

Matrix: Solid

Date Collected: 05/20/25 14:24 Date Received: 05/21/25 08:02

Sample Depth: 4

| Analyte                                 | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------------|-------------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                                 | <0.00139        | U           | 0.00200  | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| Toluene                                 | <0.00200        | U           | 0.00200  | 0.00200 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| Ethylbenzene                            | <0.00109        | U           | 0.00200  | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| m-Xylene & p-Xylene                     | <0.00229        | U           | 0.00401  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| o-Xylene                                | < 0.00159       | U           | 0.00200  | 0.00159 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| Xylenes, Total                          | <0.00229        | U           | 0.00401  | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| Surrogate                               | %Recovery       | Qualifier   | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)             | 122             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| 1,4-Difluorobenzene (Surr)              | 106             |             | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 17:57 | 1       |
| -<br>Method: SW846 8015 NM - Dies       | sel Range Organ | ics (DRO) ( | GC)      |         |       |   |                |                |         |
| Analyte                                 | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                               | 24.1            | J           | 49.8     | 15.1    | mg/Kg |   |                | 05/22/25 21:54 | 1       |
| -<br>Method: SW846 8015B NM - Did       | esel Range Orga | nics (DRO)  | (GC)     |         |       |   |                |                |         |
| Analyte                                 | Result          | Qualifier   | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5           | U           | 49.8     | 14.5    | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:54 | 1       |
| Diesel Range Organics (Over C10-C28)    | 24.1            | JB          | 49.8     | 15.1    | mg/Kg |   | 05/21/25 16:38 | 05/22/25 21:54 | 1       |

**Eurofins Carlsbad** 

05/22/25 21:54

05/22/25 21:54

Analyzed

05/22/25 21:54

49.8

49.8

Limits

70 - 130

15.1 mg/Kg

15.1 mg/Kg

05/21/25 16:38

05/21/25 16:38

Prepared

05/21/25 16:38

<15.1 U

24.1 JB

%Recovery Qualifier

131 S1+

Dil Fac

2

3

\_

0

0

10

12

4 4

Oil Range Organics (Over C28-C36)

**Total TPH** 

Surrogate

1-Chlorooctane

Job ID: 890-8192-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Lab Sample ID: 890-8192-11

Date Collected: 05/20/25 14:24 Date Received: 05/21/25 08:02

**Client Sample ID: FS 36** 

Matrix: Solid

Sample Depth: 4

| Surrogate   | %Recovery Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|---------------------|----------|----------------|----------------|---------|
| o-Terphenyl | 134 S1+             | 70 - 130 | 05/21/25 16:38 | 05/22/25 21:54 | 1       |

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 3300   |           | 50.3 | 1.99 | mg/Kg |   |          | 05/22/25 14:04 | 5       |

**Client Sample ID: FS 37** Lab Sample ID: 890-8192-12 Date Collected: 05/20/25 14:20 **Matrix: Solid** 

Date Received: 05/21/25 08:02

Sample Depth: 4

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

|                     | amo organio comp | ouao (00) |         |         |       |   |                |                |         |
|---------------------|------------------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Analyte             | Result           | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00141         | U         | 0.00202 | 0.00141 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| Toluene             | <0.00202         | U         | 0.00202 | 0.00202 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| Ethylbenzene        | <0.00110         | U         | 0.00202 | 0.00110 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| m-Xylene & p-Xylene | <0.00231         | U         | 0.00404 | 0.00231 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| o-Xylene            | <0.00160         | U         | 0.00202 | 0.00160 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| Xylenes, Total      | <0.00231         | U         | 0.00404 | 0.00231 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
|                     |                  |           |         |         |       |   |                |                |         |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 | 05/22/25 10:22 | 05/22/25 18:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 05/22/25 10:22 | 05/22/25 18:18 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 29.7   | J         | 49.9 | 15.1 | mg/Kg |   |          | 05/23/25 19:20 | 1       |

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

| Analyte                           | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics           | <14.5  | U         | 49.9 | 14.5 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 19:20 | 1       |
| (GRO)-C6-C10                      |        |           |      |      |       |   |                |                |         |
| Diesel Range Organics (Over       | 29.7   | JB        | 49.9 | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 19:20 | 1       |
| C10-C28)                          |        |           |      |      |       |   |                |                |         |
| Oil Range Organics (Over C28-C36) | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 19:20 | 1       |
| Total TPH                         | 29.7   | JB        | 49.9 | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 19:20 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 138       | S1+       | 70 - 130 | 05/22/25 15:47 | 05/23/25 19:20 | 1       |
| o-Terphenvl    | 134       | S1+       | 70 - 130 | 05/22/25 15:47 | 05/23/25 19:20 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Sol |      |
|--|------|
|  | uhla |

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 4780   | F1        | 50.1 | 1.98 | mg/Kg |   |          | 05/22/25 13:46 | 5       |

Lab Sample ID: 890-8192-13

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: FS 34

Date Collected: 05/20/25 16:12 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Analyte                     | Result    | Qualifier | RL                  | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|---------------------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201             | 0.00140 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201             | 0.00201 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201             | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402             | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201             | 0.00159 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402             | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits              |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 125       |           | 70 - 130            |         |       |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 <sub>-</sub> 130 |         |       |   | 05/22/25 10:22 | 05/22/25 18:38 | 1       |

| Method: SW846 8015 NM - Diesel Range | Organ  | ics (DRO) (GC) |      |      |       |   |          |                |         |
|--------------------------------------|--------|----------------|------|------|-------|---|----------|----------------|---------|
| Analyte                              | Result | Qualifier      | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                            | 27.0   | J              | 49.9 | 15.1 | mg/Kg |   |          | 05/23/25 20:05 | 1       |

| Analyte                                 | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |
| Diesel Range Organics (Over C10-C28)    | 27.0      | JB        | 49.9     | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |
| Oil Range Organics (Over C28-C36)       | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |
| Total TPH                               | 27.0      | JB        | 49.9     | 15.1 | mg/Kg |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |
| Surrogate                               | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                          | 143       | S1+       | 70 - 130 |      |       |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |
| o-Terphenyl                             | 140       | S1+       | 70 - 130 |      |       |   | 05/22/25 15:47 | 05/23/25 20:05 | 1       |

| Method: EPA 300.0 - Anions, Ion C | hromatography - Soluble |      |             |   |          |                |         |
|-----------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                           | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 1450                    | 10.0 | 0.397 mg/Kg |   |          | 05/22/25 14:07 | 1       |

Client Sample ID: FS 39

Lab Sample ID: 890-8192-14

Date Collected: 05/20/25 16:18

Matrix: Solid

Date Collected: 05/20/25 16:18 Date Received: 05/21/25 08:02

Sample Depth: 2.5

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| o-Xylene                    | < 0.00157 | U         | 0.00199  | 0.00157 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |         |       |   | 05/22/25 10:22 | 05/22/25 18:59 | 1       |

Lab Sample ID: 890-8192-14

05/23/25 20:20

05/23/25 20:20

05/22/25 15:47

05/22/25 15:47

# **Client Sample Results**

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: FS 39

Date Collected: 05/20/25 16:18 Date Received: 05/21/25 08:02

Oil Range Organics (Over C28-C36)

**Total TPH** 

Sample Depth: 2.5

| Analyte                            | Result        | Qualifier      | RL   | MDL  | Unit          | D        | Prepared                | Analyzed                | Dil Fac |
|------------------------------------|---------------|----------------|------|------|---------------|----------|-------------------------|-------------------------|---------|
| Total TPH                          | 23.7          | J              | 50.0 | 15.1 | mg/Kg         |          |                         | 05/23/25 20:20          | 1       |
| -<br>Method: SW846 8015B NM - Dies | ol Bongo Orgo | nice (DBO) (C  | 20)  |      |               |          |                         |                         |         |
| MELLIOU. 377040 OU LOD MIN - DIES  | ei Kanue Orua | anics (DRU) (C | 3G)  |      |               |          |                         |                         |         |
| Analyte                            | •             | Qualifier      | RL   | MDL  | Unit          | D        | Prepared                | Analyzed                | Dil Fac |
|                                    | •             | Qualifier      | •    |      | Unit<br>mg/Kg | <u>D</u> | Prepared 05/22/25 15:47 | Analyzed 05/23/25 20:20 | Dil Fac |
| Analyte                            | Result        | Qualifier      | RL   |      |               | <u>D</u> |                         |                         | Dil Fac |

50.0

50.0

15.1 mg/Kg

15.1 mg/Kg

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 134       | S1+       | 70 - 130 | 05/22/25 15:47 | 05/23/25 20:20 | 1       |
| o-Terphenyl    | 132       | S1+       | 70 - 130 | 05/22/25 15:47 | 05/23/25 20:20 | 1       |

<15.1 U

23.7 JB

| Method: EPA 300.0 - Anions, Ion CI | nromatography - Soluble |      |             |   |          |                |         |
|------------------------------------|-------------------------|------|-------------|---|----------|----------------|---------|
| Analyte                            | Result Qualifier        | RL   | MDL Unit    | D | Prepared | Analyzed       | Dil Fac |
| Chloride                           | 193                     | 9.96 | 0.393 mg/Kg |   |          | 05/22/25 14:14 | 1       |

**Eurofins Carlsbad** 

2

3

4

7

9

11

13

14

# **Surrogate Summary**

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

|                     |                        |          |          | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
|                     |                        | BFB1     | DFBZ1    |  |
| Lab Sample ID       | Client Sample ID       | (70-130) | (70-130) |  |
| 890-8192-1          | FS 04                  | 123      | 102      |  |
| 890-8192-1 MS       | FS 04                  | 111      | 99       |  |
| 890-8192-1 MSD      | FS 04                  | 106      | 98       |  |
| 890-8192-2          | FS 17                  | 122      | 106      |  |
| 890-8192-3          | FS 12                  | 124      | 103      |  |
| 890-8192-4          | FS 13                  | 123      | 105      |  |
| 890-8192-5          | FS 25                  | 122      | 104      |  |
| 890-8192-6          | FS 30                  | 123      | 104      |  |
| 890-8192-7          | FS 18                  | 123      | 107      |  |
| 890-8192-8          | FS 31                  | 131 S1+  | 109      |  |
| 890-8192-9          | FS 32                  | 124      | 104      |  |
| 890-8192-10         | FS 35                  | 122      | 103      |  |
| 890-8192-11         | FS 36                  | 122      | 106      |  |
| 890-8192-12         | FS 37                  | 123      | 104      |  |
| 890-8192-13         | FS 34                  | 125      | 102      |  |
| 890-8192-14         | FS 39                  | 124      | 103      |  |
| LCS 880-110708/1-A  | Lab Control Sample     | 112      | 95       |  |
| LCSD 880-110708/2-A | Lab Control Sample Dup | 103      | 92       |  |
| MB 880-110708/5-A   | Method Blank           | 119      | 104      |  |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

|                     |                        |          |          | Percent Surrogate |
|---------------------|------------------------|----------|----------|-------------------|
|                     |                        | 1001     | OTPH1    |                   |
| ₋ab Sample ID       | Client Sample ID       | (70-130) | (70-130) |                   |
| 880-58478-A-1-E MS  | Matrix Spike           | 87       | 91       |                   |
| 880-58478-A-1-F MSD | Matrix Spike Duplicate | 87       | 89       |                   |
| 890-8192-1          | FS 04                  | 125      | 132 S1+  |                   |
| 890-8192-1 MS       | FS 04                  | 145 S1+  | 134 S1+  |                   |
| 890-8192-1 MSD      | FS 04                  | 145 S1+  | 134 S1+  |                   |
| 890-8192-2          | FS 17                  | 136 S1+  | 140 S1+  |                   |
| 890-8192-3          | FS 12                  | 71       | 73       |                   |
| 390-8192-4          | FS 13                  | 128      | 132 S1+  |                   |
| 390-8192-5          | FS 25                  | 138 S1+  | 142 S1+  |                   |
| 890-8192-6          | FS 30                  | 130      | 134 S1+  |                   |
| 890-8192-7          | FS 18                  | 133 S1+  | 137 S1+  |                   |
| 890-8192-8          | FS 31                  | 122      | 125      |                   |
| 890-8192-9          | FS 32                  | 126      | 129      |                   |
| 890-8192-10         | FS 35                  | 94       | 91       |                   |
| 890-8192-11         | FS 36                  | 131 S1+  | 134 S1+  |                   |
| 890-8192-12         | FS 37                  | 138 S1+  | 134 S1+  |                   |
| 890-8192-12 MS      | FS 37                  | 126      | 115      |                   |
| 890-8192-12 MSD     | FS 37                  | 125      | 113      |                   |
| 890-8192-13         | FS 34                  | 143 S1+  | 140 S1+  |                   |
| 890-8192-14         | FS 39                  | 134 S1+  | 132 S1+  |                   |

# **Surrogate Summary**

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Matrix: Solid Prep Type: Total/NA

|                     |                        |          |          | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
|                     |                        | 1CO1     | OTPH1    |  |
| Lab Sample ID       | Client Sample ID       | (70-130) | (70-130) |  |
| LCS 880-110664/2-A  | Lab Control Sample     | 128      | 125      |  |
| LCS 880-110775/2-A  | Lab Control Sample     | 152 S1+  | 135 S1+  |  |
| LCS 880-110795/2-A  | Lab Control Sample     | 85       | 95       |  |
| LCSD 880-110664/3-A | Lab Control Sample Dup | 130      | 126      |  |
| LCSD 880-110775/3-A | Lab Control Sample Dup | 153 S1+  | 136 S1+  |  |
| LCSD 880-110795/3-A | Lab Control Sample Dup | 101      | 109      |  |
| MB 880-110664/1-A   | Method Blank           | 108      | 112      |  |
| MB 880-110775/1-A   | Method Blank           | 126      | 124      |  |
| MB 880-110795/1-A   | Method Blank           | 73       | 74       |  |
| Surrogate Legend    |                        |          |          |  |

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-8192-1 SDG: 03C2284007 Project/Site: MOC LOBO

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110708/5-A

**Matrix: Solid** 

Analysis Batch: 110692

Client Sample ID: Method Blank

Prep Type: Total/NA

1

Prep Batch: 110708

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fa |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|--------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 05/22/25 10:22 | 05/22/25 11:52 |        |
|                     |          |           |         |         |       |   |                |                |        |

MB MB

MB MB

| Surrogate                   | %Recovery | Qualifier | Limits   | 1   | Prepared     | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|--------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 05/ | /22/25 10:22 | 05/22/25 11:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 05/ | /22/25 10:22 | 05/22/25 11:52 | 1       |

Lab Sample ID: LCS 880-110708/1-A

Matrix: Solid

Analysis Batch: 110692

Client Sample ID: Lab Control Sample

**Prep Type: Total/NA** 

**Prep Batch: 110708** 

|                     | <b>Бріке</b> | LCS     | LUS       |       |   |      | %Rec     |  |
|---------------------|--------------|---------|-----------|-------|---|------|----------|--|
| Analyte             | Added        | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene             | 0.100        | 0.09501 |           | mg/Kg |   | 95   | 70 - 130 |  |
| Toluene             | 0.100        | 0.1071  |           | mg/Kg |   | 107  | 70 - 130 |  |
| Ethylbenzene        | 0.100        | 0.1073  |           | mg/Kg |   | 107  | 70 - 130 |  |
| m-Xylene & p-Xylene | 0.200        | 0.2338  |           | mg/Kg |   | 117  | 70 - 130 |  |
| o-Xylene            | 0.100        | 0.1133  |           | mg/Kg |   | 113  | 70 - 130 |  |
|                     |              |         |           |       |   |      |          |  |

LCS LCS

| Surrogate                   | %Recovery Qualifier | Limits   |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 112                 | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95                  | 70 - 130 |

Lab Sample ID: LCSD 880-110708/2-A

**Matrix: Solid** 

Analysis Batch: 110692

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

Prep Batch: 110708

|                     | Spike | LCSD    | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte             | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Benzene             | 0.100 | 0.09340 |           | mg/Kg |   | 93   | 70 - 130 | 2   | 35    |  |
| Toluene             | 0.100 | 0.1036  |           | mg/Kg |   | 104  | 70 - 130 | 3   | 35    |  |
| Ethylbenzene        | 0.100 | 0.1037  |           | mg/Kg |   | 104  | 70 - 130 | 3   | 35    |  |
| m-Xylene & p-Xylene | 0.200 | 0.2243  |           | mg/Kg |   | 112  | 70 - 130 | 4   | 35    |  |
| o-Xylene            | 0.100 | 0.1091  |           | mg/Kg |   | 109  | 70 - 130 | 4   | 35    |  |

LCSD LCSD

| Surrogate                   | %Recovery | Qualifier | Limits              |
|-----------------------------|-----------|-----------|---------------------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130            |
| 1.4-Difluorobenzene (Surr)  | 92        |           | 70 <sub>-</sub> 130 |

Lab Sample ID: 890-8192-1 MS

Matrix: Solid

Analysis Batch: 110692

Client Sample ID: FS 04 Prep Type: Total/NA

**Prep Batch: 110708** 

| Allalysis Datcil. 110032 |           |           |        |         |           |       |   |      | Fieh     | Dateii. | 11070 |
|--------------------------|-----------|-----------|--------|---------|-----------|-------|---|------|----------|---------|-------|
|                          | Sample    | Sample    | Spike  | MS      | MS        |       |   |      | %Rec     |         |       |
| Analyte                  | Result    | Qualifier | Added  | Result  | Qualifier | Unit  | D | %Rec | Limits   |         |       |
| Benzene                  | <0.00139  | U         | 0.0996 | 0.09837 |           | mg/Kg |   | 99   | 70 - 130 |         |       |
| Toluene                  | < 0.00200 | U         | 0.0996 | 0.1096  |           | mg/Kg |   | 110  | 70 - 130 |         |       |

**Eurofins Carlsbad** 

Page 20 of 42

## QC Sample Results

Job ID: 890-8192-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 890-8192-1 MS Client Sample ID: FS 04 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110692 Prep Batch: 110708 Sample Sample Spike MS MS %Rec

|                     |          |           |        |        |           |       |   |      | ,        |
|---------------------|----------|-----------|--------|--------|-----------|-------|---|------|----------|
| Analyte             | Result   | Qualifier | Added  | Result | Qualifier | Unit  | D | %Rec | Limits   |
| Ethylbenzene        | <0.00109 | U         | 0.0996 | 0.1076 |           | mg/Kg |   | 108  | 70 - 130 |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.199  | 0.2333 |           | mg/Kg |   | 117  | 70 - 130 |
| o-Xylene            | <0.00158 | U         | 0.0996 | 0.1121 |           | mg/Kg |   | 113  | 70 - 130 |
|                     |          |           |        |        |           |       |   |      |          |

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 111 1,4-Difluorobenzene (Surr) 70 - 130 99

Client Sample ID: FS 04 Lab Sample ID: 890-8192-1 MSD **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110692 Prep Batch: 110708

|                     | Sample   | Sample    | Spike | MSD     | MSD       |       |   |      | %Rec     |     | RPD   |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Benzene             | <0.00139 | U         | 0.100 | 0.09559 |           | mg/Kg |   | 95   | 70 - 130 | 3   | 35    |
| Toluene             | <0.00200 | U         | 0.100 | 0.1048  |           | mg/Kg |   | 105  | 70 - 130 | 5   | 35    |
| Ethylbenzene        | <0.00109 | U         | 0.100 | 0.1023  |           | mg/Kg |   | 102  | 70 - 130 | 5   | 35    |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.200 | 0.2196  |           | mg/Kg |   | 110  | 70 - 130 | 6   | 35    |
| o-Xylene            | <0.00158 | U         | 0.100 | 0.1050  |           | mg/Kg |   | 105  | 70 - 130 | 7   | 35    |

MSD MSD Qualifier Limits Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 106 1,4-Difluorobenzene (Surr) 98 70 - 130

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

Lab Sample ID: MB 880-110664/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 110739 Prep Batch: 110664

|                                      | MB     | MB        |      |      |       |   |                |                |         |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 05/21/25 16:15 | 05/22/25 17:53 | 1       |
| Diesel Range Organics (Over C10-C28) | 20.75  | J         | 50.0 | 15.1 | mg/Kg |   | 05/21/25 16:15 | 05/22/25 17:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/21/25 16:15 | 05/22/25 17:53 | 1       |
| Total TPH                            | 20.75  | J         | 50.0 | 15.1 | mg/Kg |   | 05/21/25 16:15 | 05/22/25 17:53 | 1       |

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 1-Chlorooctane 108 70 - 130 05/21/25 16:15 05/22/25 17:53 o-Terphenyl 112 70 - 130 05/21/25 16:15 05/22/25 17:53

Lab Sample ID: LCS 880-110664/2-A Client Sample ID: Lab Control Sample

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 110739 Prep Batch: 110664

LCS LCS Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec Gasoline Range Organics 1000 1004 100 70 - 130 mg/Kg

(GRO)-C6-C10

Job ID: 890-8192-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: LCS 880-110664/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 110739 **Prep Batch: 110664** 

|                             | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Diesel Range Organics (Over | 1000  | 1039   |           | mg/Kg |   | 104  | 70 - 130 |  |
| C10 C20\                    |       |        |           |       |   |      |          |  |

C10-C28)

|                | LCS L       | .cs       |          |
|----------------|-------------|-----------|----------|
| Surrogate      | %Recovery 0 | Qualifier | Limits   |
| 1-Chlorooctane | 128         |           | 70 - 130 |
| o-Terphenyl    | 125         |           | 70 - 130 |

Lab Sample ID: LCSD 880-110664/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 110739 Prep Batch: 110664 Spike LCSD LCSD RPD %Rec Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 1048 105 70 - 130 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

Diesel Range Organics (Over 1000 1044 mg/Kg C10-C28)

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

Client Sample ID: FS 04 Lab Sample ID: 890-8192-1 MS **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110739

Prep Batch: 110664 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

Gasoline Range Organics <14.5 U 998 1006 mg/Kg 101 70 - 130 (GRO)-C6-C10 32.7 JB 998 967.0 94 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 145 S1+ 70 - 130 o-Terphenyl 134 S1+ 70 - 130

Lab Sample ID: 890-8192-1 MSD Client Sample ID: FS 04 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110739

Prep Batch: 110664 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Limits RPD Limit Result Qualifier Unit D %Rec Gasoline Range Organics <14.5 U 998 1007 mg/Kg 101 70 - 130 20 (GRO)-C6-C10 998 32.7 JB 964.3 93 70 - 130 20 Diesel Range Organics (Over mg/Kg 0

C10-C28) MSD MSD

| Surrogate      | %Recovery | Qualifier | Limits   |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 145       | S1+       | 70 - 130 |
| o-Terphenyl    | 134       | S1+       | 70 - 130 |

**Eurofins Carlsbad** 

Prep Type: Total/NA

0

20

104

70 - 130

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

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

Lab Sample ID: MB 880-110775/1-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 110775** 

|                                   | MB  | MB   |   |   |   |   |  |  |  |
|-----------------------------------|---|--|---|---|---|---|--|--|--|
| Analyte                           | Result  | Qualifier  | RL  | MDL   | Unit  | D   | Prepared   | Analyzed   | Dil Fac  |
| Gasoline Range Organics           | <14.5   | U  | 50.0  | 14.5  | mg/Kg   |   | 05/22/25 15:47   | 05/23/25 18:35   | 1  |
| (GRO)-C6-C10                      |   |  |   |   |   |   |  |  |  |
| Diesel Range Organics (Over       | 19.22   | J  | 50.0  | 15.1  | mg/Kg   |   | 05/22/25 15:47   | 05/23/25 18:35   | 1  |
| C10-C28)                          |   |  |   |   |   |   |  |  |  |
| Oil Range Organics (Over C28-C36) | <15.1   | U  | 50.0  | 15.1  | mg/Kg   |   | 05/22/25 15:47   | 05/23/25 18:35   | 1  |
| Total TPH                         | 19.22   | J  | 50.0  | 15.1  | mg/Kg   |   | 05/22/25 15:47   | 05/23/25 18:35   | 1  |
|                                   |   |  |   |   |   |   |  |  |  |
|                                   | Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Analyte         Result           Gasoline Range Organics         <14.5           (GRO)-C6-C10         19.22           Diesel Range Organics (Over C10-C28)         19.22           Oil Range Organics (Over C28-C36)         <15.1 | Gasoline Range Organics <14.5 U  (GRO)-C6-C10  Diesel Range Organics (Over 19.22 J  C10-C28)  Oil Range Organics (Over C28-C36) <15.1 U | Analyte         Result         Qualifier         RL           Gasoline Range Organics         <14.5         U         50.0           (GRO)-C6-C10             Diesel Range Organics (Over         19.22         J         50.0           C10-C28)          <15.1         U         50.0 | Analyte         Result         Qualifier         RL         MDL           Gasoline Range Organics         <14.5         U         50.0         14.5           (GRO)-C6-C10         Diesel Range Organics (Over         19.22         J         50.0         15.1           C10-C28)           Oil Range Organics (Over C28-C36)         <15.1         U         50.0         15.1 | Analyte         Result         Qualifier         RL         MDL         Unit           Gasoline Range Organics         <14.5         U         50.0         14.5         mg/Kg           (GRO)-C6-C10         Usesel Range Organics (Over         19.22         J         50.0         15.1         mg/Kg           C10-C28)         C10-C28-C36)         <15.1         U         50.0         15.1         mg/Kg | Analyte         Result         Qualifier         RL         MDL         Unit         D           Gasoline Range Organics         <14.5         U         50.0         14.5         mg/Kg           (GRO)-C6-C10         Image: C10-C28 organics (Over C28-C36)         19.22         J         50.0         15.1         mg/Kg           C10-C28 organics (Over C28-C36)         <15.1         U         50.0         15.1         mg/Kg | Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared           Gasoline Range Organics         <14.5         U         50.0         14.5         mg/Kg         05/22/25 15:47           (GRO)-C6-C10         Diesel Range Organics (Over         19.22         J         50.0         15.1         mg/Kg         05/22/25 15:47           C10-C28)         Oil Range Organics (Over C28-C36)         <15.1         U         50.0         15.1         mg/Kg         05/22/25 15:47 | Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           Gasoline Range Organics         <14.5         U         50.0         14.5         mg/Kg         05/22/25 15:47         05/23/25 18:35           (GRO)-C6-C10         Diesel Range Organics (Over         19.22         J         50.0         15.1         mg/Kg         05/22/25 15:47         05/23/25 18:35           C10-C28)         Oil Range Organics (Over C28-C36)         <15.1         U         50.0         15.1         mg/Kg         05/22/25 15:47         05/23/25 18:35 |

MB MB

| Surrogate      | %Recovery Qualifie | r Limits | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 126                | 70 - 130 | 05/22/25 15:47 | 05/23/25 18:35 | 1       |
| o-Terphenyl    | 124                | 70 - 130 | 05/22/25 15:47 | 05/23/25 18:35 | 1       |

Lab Sample ID: LCS 880-110775/2-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110775

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1182 118 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1121 mg/Kg 112 70 - 130

C10-C28)

LCS LCS

| Surrogate      | %Recovery | Qualifier | Limits   |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 152       | S1+       | 70 - 130 |
| o-Terphenyl    | 135       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-110775/3-A

Matrix: Solid

Analysis Batch: 110847

| Client !  | Sample   | ID: Lah | Control | Sample   | Dun |
|-----------|----------|---------|---------|----------|-----|
| Olielit ' | Jailipie | ID. Lab | COLLIG  | Jailible | Dub |

Prep Type: Total/NA

Prep Batch: 110775

LCSD LCSD RPD Spike %Rec Added Result Qualifier Limit Analyte Unit %Rec Limits **RPD** 1000 70 - 130 Gasoline Range Organics 1208 121 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1126 mg/Kg 113 70 - 13020 C10-C28)

LCSD LCSD

| Surrogate      | %Recovery | Qualifier | Limits   |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 153       | S1+       | 70 - 130 |
| o-Terphenyl    | 136       | S1+       | 70 - 130 |

Lab Sample ID: 890-8192-12 MS

**Matrix: Solid** 

Analysis Batch: 110847

Client Sample ID: FS 37

Prep Type: Total/NA

Prep Batch: 110775

| •                                       | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |  |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                                 | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U         | 999   | 969.3  |           | mg/Kg |   | 97   | 70 - 130 |  |
| Diesel Range Organics (Over             | 29.7   | JB        | 999   | 958.1  |           | mg/Kg |   | 93   | 70 - 130 |  |

**Eurofins Carlsbad** 

2

3

4

6

9

10

12

1 A

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 890-8192-12 MS

**Matrix: Solid** 

Surrogate

Analysis Batch: 110847

Client Sample ID: FS 37 Prep Type: Total/NA

**Prep Batch: 110775** 

1-Chlorooctane 126 70 - 130 o-Terphenyl 115 70 - 130

MS MS %Recovery Qualifier

MB MB

Lab Sample ID: 890-8192-12 MSD Client Sample ID: FS 37

Limits

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 110847 Prep Batch: 110775 Sample Sample Spike MSD MSD %Rec RPD

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <14.5 U 999 963.7 96 70 - 130 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 971.9 mg/Kg 94 20 29.7 JB 70 - 130

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 125 70 - 130 1-Chlorooctane o-Terphenyl 113 70 - 130

Lab Sample ID: MB 880-110795/1-A Client Sample ID: Method Blank

**Matrix: Solid** 

Analysis Batch: 110819

Prep Type: Total/NA **Prep Batch: 110795** 

| Analyte                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics                  | 15.94  | J         | 50.0 | 14.5 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 07:09 | 1       |
| (GRO)-C6-C10 Diesel Range Organics (Over | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 07:09 | 1       |
| C10-C28)                                 |        |           |      |      | 5 5   |   |                |                |         |
| Oil Range Organics (Over C28-C36)        | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 07:09 | 1       |
| Total TPH                                | 15.94  | J         | 50.0 | 15.1 | mg/Kg |   | 05/23/25 08:40 | 05/23/25 07:09 | 1       |

MR MR

| Surrogate      | %Recovery Qualifier | Limits   | Prepared A          | nalyzed Dil Fa | ac |
|----------------|---------------------|----------|---------------------|----------------|----|
| 1-Chlorooctane | 73                  | 70 - 130 | 05/23/25 08:40 05/2 | 23/25 07:09    | 1  |
| o-Terphenvl    | 74                  | 70 - 130 | 05/23/25 08:40 05/2 | 23/25 07:09    | 1  |

Lab Sample ID: LCS 880-110795/2-A

Matrix: Solid

Analysis Batch: 110819

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

Prep Batch: 110795

|                             | Spike | LCS    | LCS       |       |   |      | %Rec     |      |  |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|------|--|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |      |  |
| Gasoline Range Organics     | 1000  | 936.6  |           | mg/Kg |   | 94   | 70 - 130 | <br> |  |
| (GRO)-C6-C10                |       |        |           |       |   |      |          |      |  |
| Diesel Range Organics (Over | 1000  | 1037   |           | mg/Kg |   | 104  | 70 - 130 |      |  |
| C10-C28)                    |       |        |           |       |   |      |          |      |  |

C10-C28)

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 85        |           | 70 - 130 |
| o-Terphenyl    | 95        |           | 70 - 130 |

Job ID: 890-8192-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: LCSD 880-110795/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** Analysis Batch: 110819 Prep Type: Total/NA **Prep Batch: 110795** 

|                             | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                     | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics     | 1000  | 1102   |           | mg/Kg |   | 110  | 70 - 130 | 16  | 20    |
| (GRO)-C6-C10                |       |        |           |       |   |      |          |     |       |
| Diesel Range Organics (Over | 1000  | 1177   |           | mg/Kg |   | 118  | 70 - 130 | 13  | 20    |
| C10-C28)                    |       |        |           |       |   |      |          |     |       |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 109       |           | 70 - 130 |

Lab Sample ID: 880-58478-A-1-E MS

**Matrix: Solid Analysis Batch: 110819** 

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

Prep Batch: 110795

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 996 69 70 - 130 Gasoline Range Organics <14.5 U F1 685.7 F1 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 996 777.0 mg/Kg 78 70 - 130 C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 87 70 - 130 o-Terphenyl 91 70 - 130

Lab Sample ID: 880-58478-A-1-F MSD

**Matrix: Solid** 

Analysis Batch: 110819

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 110795

|   | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec     |     | RPD   |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                                 | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5  | U F1      | 996   | 689.7  | F1        | mg/Kg |   | 69   | 70 - 130 | 1   | 20    |
| Diesel Range Organics (Over C10-C28)    | <15.1  | U         | 996   | 777.7  |           | mg/Kg |   | 78   | 70 - 130 | 0   | 20    |

|                | พเวบ พเวบ         |            |
|----------------|-------------------|------------|
| Surrogate      | %Recovery Qualifi | ier Limits |
| 1-Chlorooctane | 87                | 70 - 130   |
| o-Terphenyl    | 89                | 70 - 130   |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110650/1-A

**Matrix: Solid** 

**Analysis Batch: 110702** 

Client Sample ID: Method Blank

**Prep Type: Soluble** 

MB MB Analyte Result Qualifier RL MDL Unit Prepared Dil Fac D Analyzed Chloride <0.395 U 10.0 0.395 mg/Kg 05/22/25 10:40

Job ID: 890-8192-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-110650/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 110702

LCS LCS Spike %Rec Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 261.3 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-110650/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 110702** 

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 261.9 mg/Kg 105

Lab Sample ID: 890-8192-2 MS Client Sample ID: FS 17 **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 110702

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Chloride 504 248 753.5 101 90 - 110 ma/Ka

Lab Sample ID: 890-8192-2 MSD Client Sample ID: FS 17

**Matrix: Solid** 

**Analysis Batch: 110702** 

MSD MSD RPD Spike %Rec Sample Sample Limit Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Chloride 504 248 749.1 90 - 110 20 mg/Kg

Lab Sample ID: MB 880-110652/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 110710

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 10.0 Chloride <0.395 U 0.395 mg/Kg 05/22/25 13:24

Lab Sample ID: LCS 880-110652/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble** 

Analysis Batch: 110710

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits

Analyte Chloride 250 255.3 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-110652/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 110710

LCSD LCSD %Rec RPD Spike Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 255.3 mg/Kg 102 90 - 110 20

Lab Sample ID: 890-8192-12 MS Client Sample ID: FS 37 **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 110710** 

MR MR

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 4780 F1 1250 6258 F1 mg/Kg 118 90 - 110

**Eurofins Carlsbad** 

**Prep Type: Soluble** 

# **QC Sample Results**

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8192-12 MSD

Matrix: Solid

Client Sample ID: FS 37

Prep Type: Soluble

Analysis Batch: 110710

RPD Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits Chloride 4780 F1 1250 6273 F1 mg/Kg 119 90 - 110 0 20

1

4

5

7

8

10

\_\_\_\_

13

14

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

## **GC VOA**

### Analysis Batch: 110692

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8192-1          | FS 04                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-2          | FS 17                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-3          | FS 12                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-4          | FS 13                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-5          | FS 25                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-6          | FS 30                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-7          | FS 18                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-8          | FS 31                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-9          | FS 32                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-10         | FS 35                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-11         | FS 36                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-12         | FS 37                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-13         | FS 34                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-14         | FS 39                  | Total/NA  | Solid  | 8021B  | 110708     |
| MB 880-110708/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110708     |
| LCS 880-110708/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110708     |
| LCSD 880-110708/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-1 MS       | FS 04                  | Total/NA  | Solid  | 8021B  | 110708     |
| 890-8192-1 MSD      | FS 04                  | Total/NA  | Solid  | 8021B  | 110708     |

### **Prep Batch: 110708**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batc |
|---------------------|------------------------|-----------|--------|--------|-----------|
| 890-8192-1          | FS 04                  | Total/NA  | Solid  | 5035   | _         |
| 890-8192-2          | FS 17                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-3          | FS 12                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-4          | FS 13                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-5          | FS 25                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-6          | FS 30                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-7          | FS 18                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-8          | FS 31                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-9          | FS 32                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-10         | FS 35                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-11         | FS 36                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-12         | FS 37                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-13         | FS 34                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-14         | FS 39                  | Total/NA  | Solid  | 5035   |           |
| MB 880-110708/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |           |
| LCS 880-110708/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |           |
| LCSD 880-110708/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |           |
| 890-8192-1 MS       | FS 04                  | Total/NA  | Solid  | 5035   |           |
| 890-8192-1 MSD      | FS 04                  | Total/NA  | Solid  | 5035   |           |

## GC Semi VOA

## Prep Batch: 110664

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-8192-1    | FS 04            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-2    | FS 17            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-3    | FS 12            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-4    | FS 13            | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-5    | FS 25            | Total/NA  | Solid  | 8015NM Prep |            |

**Eurofins Carlsbad** 

Page 28 of 42

1

3

3

5

7

9

10

12

13

14

no Ganobaa

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

# GC Semi VOA (Continued)

## Prep Batch: 110664 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8192-6          | FS 30                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-7          | FS 18                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-8          | FS 31                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-9          | FS 32                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-11         | FS 36                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110664/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110664/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110664/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-1 MS       | FS 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-1 MSD      | FS 04                  | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 110739

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8192-1          | FS 04                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-2          | FS 17                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-3          | FS 12                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-4          | FS 13                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-5          | FS 25                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-6          | FS 30                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-7          | FS 18                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-8          | FS 31                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-9          | FS 32                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-11         | FS 36                  | Total/NA  | Solid  | 8015B NM | 110664     |
| MB 880-110664/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110664     |
| LCS 880-110664/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110664     |
| LCSD 880-110664/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-1 MS       | FS 04                  | Total/NA  | Solid  | 8015B NM | 110664     |
| 890-8192-1 MSD      | FS 04                  | Total/NA  | Solid  | 8015B NM | 110664     |

### **Prep Batch: 110775**

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8192-12         | FS 37                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-13         | FS 34                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-14         | FS 39                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110775/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110775/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110775/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-12 MS      | FS 37                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8192-12 MSD     | FS 37                  | Total/NA  | Solid  | 8015NM Prep |            |

### **Prep Batch: 110795**

| <b>Lab Sample ID</b><br>890-8192-10 | Client Sample ID FS 35 | Prep Type Total/NA | Matrix<br>Solid | Method<br>8015NM Prep | Prep Batch |
|-------------------------------------|------------------------|--------------------|-----------------|-----------------------|------------|
| MB 880-110795/1-A                   | Method Blank           | Total/NA           | Solid           | 8015NM Prep           |            |
| LCS 880-110795/2-A                  | Lab Control Sample     | Total/NA           | Solid           | 8015NM Prep           |            |
| LCSD 880-110795/3-A                 | Lab Control Sample Dup | Total/NA           | Solid           | 8015NM Prep           |            |
| 880-58478-A-1-E MS                  | Matrix Spike           | Total/NA           | Solid           | 8015NM Prep           |            |
| 880-58478-A-1-F MSD                 | Matrix Spike Duplicate | Total/NA           | Solid           | 8015NM Prep           |            |

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

GC Semi VOA

### Analysis Batch: 110813

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8192-1    | FS 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-2    | FS 17            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-3    | FS 12            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-4    | FS 13            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-5    | FS 25            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-6    | FS 30            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-7    | FS 18            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-8    | FS 31            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-9    | FS 32            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-10   | FS 35            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-11   | FS 36            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-12   | FS 37            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-13   | FS 34            | Total/NA  | Solid  | 8015 NM |            |
| 890-8192-14   | FS 39            | Total/NA  | Solid  | 8015 NM |            |

### Analysis Batch: 110819

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8192-10         | FS 35                  | Total/NA  | Solid  | 8015B NM | 110795     |
| MB 880-110795/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110795     |
| LCS 880-110795/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110795     |
| LCSD 880-110795/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110795     |
| 880-58478-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110795     |
| 880-58478-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110795     |

### Analysis Batch: 110847

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8192-12         | FS 37                  | Total/NA  | Solid  | 8015B NM | 110775     |
| 890-8192-13         | FS 34                  | Total/NA  | Solid  | 8015B NM | 110775     |
| 890-8192-14         | FS 39                  | Total/NA  | Solid  | 8015B NM | 110775     |
| MB 880-110775/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110775     |
| LCS 880-110775/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110775     |
| LCSD 880-110775/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110775     |
| 890-8192-12 MS      | FS 37                  | Total/NA  | Solid  | 8015B NM | 110775     |
| 890-8192-12 MSD     | FS 37                  | Total/NA  | Solid  | 8015B NM | 110775     |

### **HPLC/IC**

### Leach Batch: 110650

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 890-8192-1        | FS 04            | Soluble   | Solid  | DI Leach |            |
| 890-8192-2        | FS 17            | Soluble   | Solid  | DI Leach |            |
| 890-8192-3        | FS 12            | Soluble   | Solid  | DI Leach |            |
| 890-8192-4        | FS 13            | Soluble   | Solid  | DI Leach |            |
| 890-8192-5        | FS 25            | Soluble   | Solid  | DI Leach |            |
| 890-8192-6        | FS 30            | Soluble   | Solid  | DI Leach |            |
| 890-8192-7        | FS 18            | Soluble   | Solid  | DI Leach |            |
| 890-8192-8        | FS 31            | Soluble   | Solid  | DI Leach |            |
| 890-8192-9        | FS 32            | Soluble   | Solid  | DI Leach |            |
| 890-8192-10       | FS 35            | Soluble   | Solid  | DI Leach |            |
| 890-8192-11       | FS 36            | Soluble   | Solid  | DI Leach |            |
| MB 880-110650/1-A | Method Blank     | Soluble   | Solid  | DI Leach |            |

**Eurofins Carlsbad** 

2

4

6

8

10

12

13

Н

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

# **HPLC/IC** (Continued)

## Leach Batch: 110650 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method Prep Batch |
|---------------------|------------------------|-----------|--------|-------------------|
| LCS 880-110650/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach          |
| LCSD 880-110650/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach          |
| 890-8192-2 MS       | FS 17                  | Soluble   | Solid  | DI Leach          |
| 890-8192-2 MSD      | FS 17                  | Soluble   | Solid  | DI Leach          |

### Leach Batch: 110652

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8192-12         | FS 37                  | Soluble   | Solid  | DI Leach |            |
| 890-8192-13         | FS 34                  | Soluble   | Solid  | DI Leach |            |
| 890-8192-14         | FS 39                  | Soluble   | Solid  | DI Leach |            |
| MB 880-110652/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110652/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110652/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8192-12 MS      | FS 37                  | Soluble   | Solid  | DI Leach |            |
| 890-8192-12 MSD     | FS 37                  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 110702

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8192-1          | FS 04                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-2          | FS 17                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-3          | FS 12                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-4          | FS 13                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-5          | FS 25                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-6          | FS 30                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-7          | FS 18                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-8          | FS 31                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-9          | FS 32                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-10         | FS 35                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-11         | FS 36                  | Soluble   | Solid  | 300.0  | 110650     |
| MB 880-110650/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110650     |
| LCS 880-110650/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110650     |
| LCSD 880-110650/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-2 MS       | FS 17                  | Soluble   | Solid  | 300.0  | 110650     |
| 890-8192-2 MSD      | FS 17                  | Soluble   | Solid  | 300.0  | 110650     |

### Analysis Batch: 110710

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8192-12         | FS 37                  | Soluble   | Solid  | 300.0  | 110652     |
| 890-8192-13         | FS 34                  | Soluble   | Solid  | 300.0  | 110652     |
| 890-8192-14         | FS 39                  | Soluble   | Solid  | 300.0  | 110652     |
| MB 880-110652/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110652     |
| LCS 880-110652/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110652     |
| LCSD 880-110652/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110652     |
| 890-8192-12 MS      | FS 37                  | Soluble   | Solid  | 300.0  | 110652     |
| 890-8192-12 MSD     | FS 37                  | Soluble   | Solid  | 300.0  | 110652     |

**Eurofins Carlsbad** 

3

5

\_

8

11

\_\_

4

Job ID: 890-8192-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: FS 04

Date Received: 05/21/25 08:02

Lab Sample ID: 890-8192-1 Date Collected: 05/20/25 12:02

Matrix: Solid

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.01 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 12:13 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 18:39 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 18:39 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 5      |         |        | 110702 | 05/22/25 12:29 | СН      | EET MID |

**Client Sample ID: FS 17** Lab Sample ID: 890-8192-2

Date Collected: 05/20/25 12:04 **Matrix: Solid** 

Date Received: 05/21/25 08:02

| _         | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.96 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 12:34 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 19:24 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 19:24 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.04 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 12:36 | CH      | EET MID |

**Client Sample ID: FS 12** Lab Sample ID: 890-8192-3

Date Collected: 05/20/25 12:14

Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.05 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 12:55 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 19:39 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.02 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 19:39 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.05 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 5      |         |        | 110702 | 05/22/25 12:56 | CH      | EET MID |

Lab Sample ID: 890-8192-4 **Client Sample ID: FS 13** 

Date Collected: 05/20/25 12:17 Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.01 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 13:15 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 19:54 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.05 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 19:54 | TKC     | EET MID |

**Eurofins Carlsbad** 

Matrix: Solid

**Matrix: Solid** 

Job ID: 890-8192-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

**Client Sample ID: FS 13** 

Date Collected: 05/20/25 12:17 Date Received: 05/21/25 08:02 Lab Sample ID: 890-8192-4

Matrix: Solid

|           | Batch    | Batch    |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method   | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Soluble   | Leach    | DI Leach |     |        | 5.05 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0    |     | 1      |         |        | 110702 | 05/22/25 13:03 | CH      | EET MID |

**Client Sample ID: FS 25** Lab Sample ID: 890-8192-5

**Matrix: Solid** 

Date Collected: 05/20/25 12:24 Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.97 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 13:35 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 20:09 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.03 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 20:09 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 13:23 | CH      | EET MID |

Client Sample ID: FS 30 Lab Sample ID: 890-8192-6

Date Collected: 05/20/25 13:55 **Matrix: Solid** 

Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.99 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 13:56 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 20:24 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.00 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 20:24 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.03 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 13:30 | CH      | EET MID |

**Client Sample ID: FS 18** Lab Sample ID: 890-8192-7

Date Collected: 05/20/25 14:30 **Matrix: Solid** Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 14:16 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 20:39 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 20:39 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.04 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 13:37 | CH      | EET MID |

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: FS 31 Lab Sample ID: 890-8192-8

Date Collected: 05/20/25 14:35

Date Received: 05/21/25 08:02

Matrix: Solid

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.00 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 14:37 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 20:53 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 20:53 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.98 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 13:44 | CH      | EET MID |

Client Sample ID: FS 32

Date Collected: 05/20/25 14:38

Lab Sample ID: 890-8192-9

Matrix: Solid

Date Received: 05/21/25 08:02

Batch Batch Dil Initial Final Batch Prepared Method or Analyzed Type Factor Amount Amount Number Prep Type Run Analyst Lab 5035 110708 05/22/25 10:22 Total/NA Prep 5.02 g 5 mL EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 110692 05/22/25 14:57 EL **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 110813 05/22/25 21:08 SM Total/NA 8015NM Prep 10.07 g 10 mL 110664 05/21/25 16:38 EL EET MID Prep Total/NA Analysis 8015B NM 1 uL 1 uL 110739 05/22/25 21:08 TKC **EET MID** DI Leach Soluble Leach 4.96 g 50 mL 110650 05/21/25 16:11 SA EET MID Soluble Analysis 300.0 110702 05/22/25 13:51 СН **EET MID** 

Client Sample ID: FS 35 Lab Sample ID: 890-8192-10

Date Collected: 05/20/25 14:27 Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.98 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 15:18 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/23/25 16:59 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110795 | 05/23/25 08:40 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110819 | 05/23/25 16:59 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.03 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110702 | 05/22/25 13:57 | CH      | EET MID |

Client Sample ID: FS 36

Lab Sample ID: 890-8192-11

Date Collected: 05/20/25 14:24

Matrix: Solid

Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.99 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 17:57 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/22/25 21:54 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.04 g | 10 mL  | 110664 | 05/21/25 16:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110739 | 05/22/25 21:54 | TKC     | EET MID |

**Eurofins Carlsbad** 

2

3

<u>-</u>5

7

9

11

13

\_\_\_\_\_\_

**Matrix: Solid** 

Job ID: 890-8192-1

Client: Ensolum SDG: 03C2284007 Project/Site: MOC LOBO

**Client Sample ID: FS 36** 

Date Collected: 05/20/25 14:24 Date Received: 05/21/25 08:02 Lab Sample ID: 890-8192-11

Matrix: Solid

|           | Batch    | Batch    |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method   | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Soluble   | Leach    | DI Leach |     |        | 4.97 g  | 50 mL  | 110650 | 05/21/25 16:11 | SA      | EET MID |
| Soluble   | Analysis | 300.0    |     | 5      |         |        | 110702 | 05/22/25 14:04 | CH      | EET MID |

Client Sample ID: FS 37 Lab Sample ID: 890-8192-12

Date Collected: 05/20/25 14:20 Date Received: 05/21/25 08:02 **Matrix: Solid** 

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.95 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 18:18 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/23/25 19:20 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.02 g | 10 mL  | 110775 | 05/22/25 15:47 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 19:20 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.99 g  | 50 mL  | 110652 | 05/21/25 16:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 5      |         |        | 110710 | 05/22/25 13:46 | CH      | EET MID |

Client Sample ID: FS 34 Lab Sample ID: 890-8192-13

**Matrix: Solid** 

Date Collected: 05/20/25 16:12 Date Received: 05/21/25 08:02

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 4.98 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 18:38 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/23/25 20:05 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.03 g | 10 mL  | 110775 | 05/22/25 15:47 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 20:05 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 4.98 g  | 50 mL  | 110652 | 05/21/25 16:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110710 | 05/22/25 14:07 | CH      | EET MID |

**Client Sample ID: FS 39** Lab Sample ID: 890-8192-14

Date Collected: 05/20/25 16:18 Date Received: 05/21/25 08:02 **Matrix: Solid** 

|           | Batch    | Batch       |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type     | Method      | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Prep     | 5035        |     |        | 5.03 g  | 5 mL   | 110708 | 05/22/25 10:22 | EL      | EET MID |
| Total/NA  | Analysis | 8021B       |     | 1      | 5 mL    | 5 mL   | 110692 | 05/22/25 18:59 | EL      | EET MID |
| Total/NA  | Analysis | 8015 NM     |     | 1      |         |        | 110813 | 05/23/25 20:20 | SM      | EET MID |
| Total/NA  | Prep     | 8015NM Prep |     |        | 10.01 g | 10 mL  | 110775 | 05/22/25 15:47 | FC      | EET MID |
| Total/NA  | Analysis | 8015B NM    |     | 1      | 1 uL    | 1 uL   | 110847 | 05/23/25 20:20 | TKC     | EET MID |
| Soluble   | Leach    | DI Leach    |     |        | 5.02 g  | 50 mL  | 110652 | 05/21/25 16:13 | SA      | EET MID |
| Soluble   | Analysis | 300.0       |     | 1      |         |        | 110710 | 05/22/25 14:14 | CH      | EET MID |

Laboratory References:

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

# **Accreditation/Certification Summary**

 Client: Ensolum
 Job ID: 890-8192-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

## **Laboratory: Eurofins Midland**

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

| Authority       |                                   | ım                            | Identification Number                     | Expiration Date        |
|-----------------|-----------------------------------|-------------------------------|---|------------------------|
| Texas           | NELAF                             | )                             | T104704400                                | 06-30-25               |
| ,               | s are included in this report, bu | t the laboratory is not certi | fied by the governing authority. This lis | t may include analytes |
| Analysis Method | Prep Method                       | Matrix                        | Analyte                                   |                        |
| 8015 NM         |                                   | Solid                         | Total TPH                                 |                        |
| 8015B NM        | 8015NM Prep                       | Solid                         | Total TPH                                 |                        |

4

6

9

44

4 /

# **Method Summary**

Client: Ensolum Job ID: 890-8192-1 Project/Site: MOC LOBO SDG: 03C2284007

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

### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

### Laboratory References:

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

# **Sample Summary**

Client: Ensolum

Project/Site: MOC LOBO

Job ID: 890-8192-1 SDG: 03C2284007

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-8192-1    | FS 04            | Solid  | 05/20/25 12:02 | 05/21/25 08:02 | 4     |
| 890-8192-2    | FS 17            | Solid  | 05/20/25 12:04 | 05/21/25 08:02 | 2     |
| 890-8192-3    | FS 12            | Solid  | 05/20/25 12:14 | 05/21/25 08:02 | 4     |
| 890-8192-4    | FS 13            | Solid  | 05/20/25 12:17 | 05/21/25 08:02 | 4     |
| 890-8192-5    | FS 25            | Solid  | 05/20/25 12:24 | 05/21/25 08:02 | 1     |
| 890-8192-6    | FS 30            | Solid  | 05/20/25 13:55 | 05/21/25 08:02 | 1     |
| 890-8192-7    | FS 18            | Solid  | 05/20/25 14:30 | 05/21/25 08:02 | 3     |
| 890-8192-8    | FS 31            | Solid  | 05/20/25 14:35 | 05/21/25 08:02 | 2.5   |
| 890-8192-9    | FS 32            | Solid  | 05/20/25 14:38 | 05/21/25 08:02 | 2.5   |
| 890-8192-10   | FS 35            | Solid  | 05/20/25 14:27 | 05/21/25 08:02 | 2.5   |
| 890-8192-11   | FS 36            | Solid  | 05/20/25 14:24 | 05/21/25 08:02 | 4     |
| 890-8192-12   | FS 37            | Solid  | 05/20/25 14:20 | 05/21/25 08:02 | 4     |
| 890-8192-13   | FS 34            | Solid  | 05/20/25 16:12 | 05/21/25 08:02 | 2.5   |
| 890-8192-14   | FS 39            | Solid  | 05/20/25 16:18 | 05/21/25 08:02 | 2.5   |

<u>+</u>

0

8

9

10

12

13

12

Circle Method(s) and

Relinquished by: (Signature)

Received by: (Signature)

20.8

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Fime

Revised Date: 08/25/2020 Rev. 2020.2

eurofins

Xenco

**Environment Testing** 

| ton, TX (281) 240-4200, I | Chain of |
|---------------------------|----------|
| Dallas, TX (214) 902-030  | Custody  |

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

|   | -068                      |  |  |
|---|---------------------------|--|--|
|   | 890-8192 Chain of Custody |  |  |
|   | hain of                   |  |  |
|   | Custod                    |  |  |
|   | ⋖                         |  |  |
|   |                           |  |  |
| Ì |                           |  |  |

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

Work Order Comments

| roject Name:                                | MOC Lobo               | obo                     | Turn                   | Turn Around                           |              |         |          |           | ANALYSIS REQUEST  | Preservative Codes  |
|---|------------------------|-------------------------|------------------------|---------------------------------------|--------------|---------|----------|-----------|---|---|
| roject Number:                              | 03C2284007             | .007                    | Routine                | ☑ Rush                                | Pres.        |         |          |           |   | None: NO DI Water: H <sub>2</sub> O                               |
| roject Location:                            | 32.444437, -103.688210 | )3.688210               | Due Date:              | 72-hrs                                |              |         |          |           |   | Cool: Cool MeOH: Me   |
| ampler's Name:                              | Alex Ferrell           | rell                    | TAT starts the         | TAT starts the day received by        | 1            |         |          |           |   | HCL: HC HNO <sub>3</sub> : HN                                     |
| 0#  |                        | )                       | the lab, if rec        | the lab, if received by 4:30pm        | rs           |         |          |           |   | H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| AMPLE RECEIPT                               | Temp Blank:            | Yes (No                 | Wet Ice:               | (es) No                               | ete          |         |          |           |   | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| amples Received Intact:                     | No No                  | Thermometer ID:         | er ID:                 | tarabo 7                              | ram          |         |          |           |   | NaHSO <sub>4</sub> : NABIS  |
| ooler Custody Seals:                        | Yes No (N              | (N/A) Correction Factor | Factor:                | -0.2                                  | Pa           |         |          |           |   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub> |
| ample Custody Seals:                        | Yes No (N              | Temperature Reading:    | e Reading:             | 6.0                                   |              |         |          |           |   | Zn Acetate+NaOH: Zn   |
| otal Containers:                            |                        | Corrected T             | Corrected Temperature: | 5.5                                   |              | es      |          |           |   | NaOH+Ascorbic Acid: SAPC  |
| Sample Identification                       | tion Matrix            | Date<br>Sampled         | Time<br>Sampled        | Depth Grab/                           | # of<br>Cont | Chlorid | ТРН      | втех      |   | Sample Comments   |
| FS04  |                        | 5/20/2025               | 1202                   | 4 Comp                                | <u></u>      | ×       | ×        | ×         |   |   |
| FS17  |                        | 5/20/2025               | 1204                   | 2 Comp                                |              | ×       | ×        | ×         |   |   |
| FS12  |                        | 5/20/2025               | 1214                   | 4 Comp                                |              | ×       | ×        | ×         |   |   |
| FS13  |                        | 5/20/2025               | 1217                   | 4 Comp                                |              | ×       | ×        | ×         |   |   |
| FS25  |                        | 5/20/2025               | 1224                   | 1 Comp                                |              | ×       | ×        | ×         |   |   |
| FS30  |                        | 5/20/2025               | 1355                   | 1 Comp                                |              | ×       | ×        | ×         |   |   |
| FS18  |                        | 5/20/2025               | 1430                   | 3 Comp                                | _            | ×       | ×        | ×         |   |   |
| FS31  |                        | 5/20/2025               | 1435                   | 2.5 Comp                              | _            | ×       | ×        | ×         |   |   |
| FS32  |                        | 5/20/2025               | 1438                   | 2.5 Comp                              | _            | ×       | ×        | ×         |   |   |
| FS35  |                        | 5/20/2025               | 1427                   | 2.5 Comp                              |              | ×       | ×        | ×         |   |   |
| Total 200.7 / 6010                          | 200.8 / 6020:          |                         | RCRA 13PI              | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B | A            | Sb As   | Ba       | Ве В      | Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn  | ) <sub>2</sub> Na Sr TI Sn U V Zn                                 |
| ircle Method(s) and Metal(s) to be analyzed | letal(s) to be an      | nalyzed                 | TCLP / SF              | TCLP / SPLP 6010: 8RCRA               |              | Sb As   | s Ba     | Be        | Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 16   | Hg: 1631 / 245.1 / 7470 / 7471                                    |
| re: Signature of this docume                | ent and relinquishm    | ent of samples con      | nstitutes a valid p    | urchase order fron                    | n client o   | ompany  | to Euro  | ofins Xen | tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions.     |   |
| rofins Xenco. A minimum                     | charge of \$85.00 will | be applied to each      | h project and a ch     | harge of \$5 for each                 | n sample     | submit  | ted to E | urofins X | Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | ited.   |

PO#:

Sampler's Name:

Project Location: Project Number: Project Name: Phone: City, State ZIP:

Carlsbad, NM 88220 432-296-0627 3122 National Parks Hwy

Email

City, State ZIP:

jreich@ensolum.com; Cwalker@mewbourne.com

Deliverables: EDD

ADaPT 🔲

Level IV

State of Project:

Address: Company Name: Project Manager:

Ensolum, LLC Jeremy Reich

Bill to: (if different)

Connor Walker Mewbourne

Company Name:

Sample Custody Seals: Cooler Custody Seals: Samples Received Inta-SAMPLE RECEIPT

Total Containers:

5/27/2025

P

13 14

# **Login Sample Receipt Checklist**

 Client: Ensolum
 Job Number: 890-8192-1

 SDG Number: 03C2284007

Login Number: 8192 List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

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

237

2

3

4

8

4 4

12

10

| | 4

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-8192-1 SDG Number: 03C2284007

Login Number: 8192 **List Source: Eurofins Midland** List Number: 2 Creator: Laing, Edmundo

List Creation: 05/22/25 07:48 AM

| 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

Released to Imaging: 9/10/2025 3:33:37 PM

Containers requiring zero headspace have no headspace or bubble is

<6mm (1/4").

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 487267

### **QUESTIONS**

| Operator:        | OGRID:  |
|------------------|---|
| MEWBOURNE OIL CO | 14744   |
| P.O. Box 5270    | Action Number:  |
| Hobbs, NM 88241  | 487267  |
|                  | Action Type:  |
|                  | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

### QUESTIONS

| Prerequisites    |  |
|------------------|--|
| Incident ID (n#) | nAPP2505953548   |
| Incident Name    | NAPP2505953548 NEW WAVE LOBO FRAC BOOSTER @ M-28-21S-32E |
| Incident Type    | Produced Water Release                                   |
| Incident Status  | Remediation Closure Report Received                      |

| Location of Release Source                     |                            |
|--|----------------------------|
| Please answer all the questions in this group. |                            |
| Site Name                                      | New Wave Lobo Frac Booster |
| Date Release Discovered                        | 02/15/2025                 |
| Surface Owner                                  | Federal                    |

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

| Nature and Volume of Release   |  |  |
|--|--|--|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |  |  |
| Crude Oil Released (bbls) Details  | Not answered.  |  |
| Produced Water Released (bbls) Details   | Cause: Equipment Failure   Pipeline (Any)   Produced Water   Released: 78 BBL   Recovered: 0 BBL   Lost: 78 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.  |  |

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 487267

| QUESTI   | IONS (continued)  |
|--|---|
| Operator:  MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241  | OGRID:  14744  Action Number: 487267  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 s<br>The source of the release has been stopped                                    |   |
| The impacted area has been secured to protect human health and the environment   | True True   |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices   | True  |
| All free liquids and recoverable materials have been removed and managed appropriately   | True  |
| If all the actions described above have not been undertaken, explain why   | Not answered.   |
|  | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.  |
| to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or |
| I hereby agree and sign off to the above statement   | Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 02/28/2025  |

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 487267

**QUESTIONS** (continued)

| Operator:        | OGRID:  |
|------------------|---|
| MEWBOURNE OIL CO | 14744   |
| P.O. Box 5270    | Action Number:  |
| Hobbs, NM 88241  | 487267  |
|                  | 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 51 and 75 (ft.)         |  |
| What method was used to determine the depth to ground water   | NM OSE iWaters Database Search  |  |
| Did this release impact groundwater or surface water  | No                              |  |
| What is the minimum distance, between the closest lateral extents of the release ar   | nd the following surface areas: |  |
| A continuously flowing watercourse or any other significant watercourse   | Between 1 and 5 (mi.)           |  |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)   | Between ½ and 1 (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 1 and 5 (mi.)           |  |
| A subsurface mine   | Greater than 5 (mi.)            |  |
| An (non-karst) unstable area  | Between 1 and 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  | Yes                             |  |

| 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 p  | plan approval with this submission  | Yes                    |  |
| Attach a comprehensive report der   | Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |                        |  |
| Have the lateral and vertica  | l extents of contamination been fully delineated  | Yes                    |  |
| Was this release entirely co  | ontained within a lined containment area  | No                     |  |
| Soil Contamination Sampling   | : (Provide the highest observable value for each, in mill   | igrams per kilograms.) |  |
| Chloride  | (EPA 300.0 or SM4500 CI B)  | 10000                  |  |
| TPH (GRO+DRO+MRO)   | (EPA SW-846 Method 8015M)   | 19.1                   |  |
| GRO+DRO   | (EPA SW-846 Method 8015M)   | 19.1                   |  |
| BTEX  | (EPA SW-846 Method 8021B or 8260B)  | 0                      |  |
| Benzene   | (EPA SW-846 Method 8021B or 8260B)  | 0                      |  |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. |   |                        |  |
| On what estimated date wil  | I the remediation commence  | 03/24/2025             |  |
| On what date will (or did) th   | ne final sampling or liner inspection occur   | 06/12/2025             |  |
| On what date will (or was) t  | he remediation complete(d)  | 06/12/2025             |  |
| What is the estimated surfa   | ce area (in square feet) that will be reclaimed   | 6125                   |  |
| What is the estimated volun   | ne (in cubic yards) that will be reclaimed  | 530                    |  |
| What is the estimated surfa   | ce area (in square feet) that will be remediated  | 6125                   |  |
| What is the estimated volun   | ne (in cubic yards) that will be remediated   | 530                    |  |
| These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.   |   |                        |  |

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 4

Action 487267

QUESTIONS (continued)

| Operator:        | OGRID:  |
|------------------|---|
| MEWBOURNE OIL CO | 14744   |
| P.O. Box 5270    | Action Number:  |
| Hobbs, NM 88241  | 487267  |
|                  | Action Type:  |
|                  | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

### QUESTIONS

| Remediation Plan (continued)  |   |
|---|---|
| Please answer all the questions that apply or are indicated. This information must be provided to the | appropriate district office no later than 90 days after the release discovery date. |
| This remediation will (or is expected to) utilize the following processes to remediate                | / reduce contaminants:  |
| (Select all answers below that apply.)  |   |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)                        | Yes   |
| Which OCD approved facility will be used for off-site disposal  | fBAJ2129451934 NORTH RANCH SURFACE WASTE MANAGEMENT FACILITY                        |
| OR which OCD approved well (API) will be used for off-site disposal                                   | Not answered.   |
| OR is the off-site disposal site, to be used, out-of-state  | No  |
| OR is the off-site disposal site, to be used, an NMED facility  | No  |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)                                | No  |
| (In Situ) Soil Vapor Extraction   | No  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                     | No  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                    | No  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                              | No  |
| Ground Water Abatement pursuant to 19.15.30 NMAC  | No  |
| OTHER (Non-listed remedial process)   | No  |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com
Date: 05/17/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 487267

**QUESTIONS** (continued)

| Operator:        | OGRID:  |
|------------------|---|
| MEWBOURNE OIL CO | 14744   |
| P.O. Box 5270    | Action Number:  |
| Hobbs, NM 88241  | 487267  |
|                  | Action Type:  |
|                  | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

### QUESTIONS

| Deferral Requests Only   |    |  |
|--|----|--|
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |  |
| Requesting a deferral of the remediation closure due date with the approval of this submission   | No |  |

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 487267

| OUEST  | IONS (continued)   |
|--|--|
| Operator:  MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241  | OGRID:  14744  Action Number: 487267  Action Type:   |
|  | [C-141] Remediation Closure Request C-141 (C-141-v-Closure)  |
| QUESTIONS  |  |
| Sampling Event Information   |  |
| Last sampling notification (C-141N) recorded   | 487575   |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC  | 07/28/2025   |
| What was the (estimated) number of samples that were to be gathered  | 1  |
| What was the sampling surface area in square feet  | 200  |
| Remediation Closure Request  Only answer the questions in this group if seeking remediation closure for this release because all r   | emediation 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  | No   |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes  |
| What was the total surface area (in square feet) remediated  | 6125   |
| What was the total volume (cubic yards) remediated   | 800  |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes  |
| What was the total surface area (in square feet) reclaimed   | 6125   |
| What was the total volume (in cubic yards) reclaimed   | 800  |
| Summarize any additional remediation activities not included by answers (above)  | Excavation activities were conducted at the Site to address the February 15, 2025, release of produced water. Laboratory analytical results for all confirmation soil samples, collected from the final excavation extents from the floor of the excavation, indicated that all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for all confirmation soil samples, collected from the final excavation sidewall extents, indicated that COC concentrations were in compliance with Site Closure Criteria and reclamation standards. Based on the soil sample analytical results, no further remediation was required. Mewbourne will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture. |
|  | closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a<br>notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents o   |
| to report and/or file certain release notifications and perform corrective actions for releatithe OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report      | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or it is it is in the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.  |
| I hereby agree and sign off to the above statement   | Name: Connor Walker<br>Title: Senior Engineer  |

Email: cwalker@mewbourne.com

Date: 07/22/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 487267

**QUESTIONS** (continued)

| Operator:        | OGRID:  |
|------------------|---|
| MEWBOURNE OIL CO | 14744   |
| P.O. Box 5270    | Action Number:  |
| Hobbs, NM 88241  | 487267  |
|                  | Action Type:  |
|                  | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

### QUESTIONS

| Reclamation Report  |    |
|---|----|
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |

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

CONDITIONS

Action 487267

### **CONDITIONS**

| Operator:                         | OGRID:  |
|-----------------------------------|---|
| MEWBOURNE OIL CO<br>P.O. Box 5270 | 14744   |
|                                   | Action Number:  |
| Hobbs, NM 88241                   | 487267  |
|                                   | Action Type:  |
|                                   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

### CONDITIONS

| Created By    | Condition  | Condition<br>Date |
|---------------|--|-------------------|
| scott.rodgers | This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete". | 9/10/2025         |