ENSOLUM

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.

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® chloride QuanTab® 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

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

cc: Brock Molander, New Wave

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

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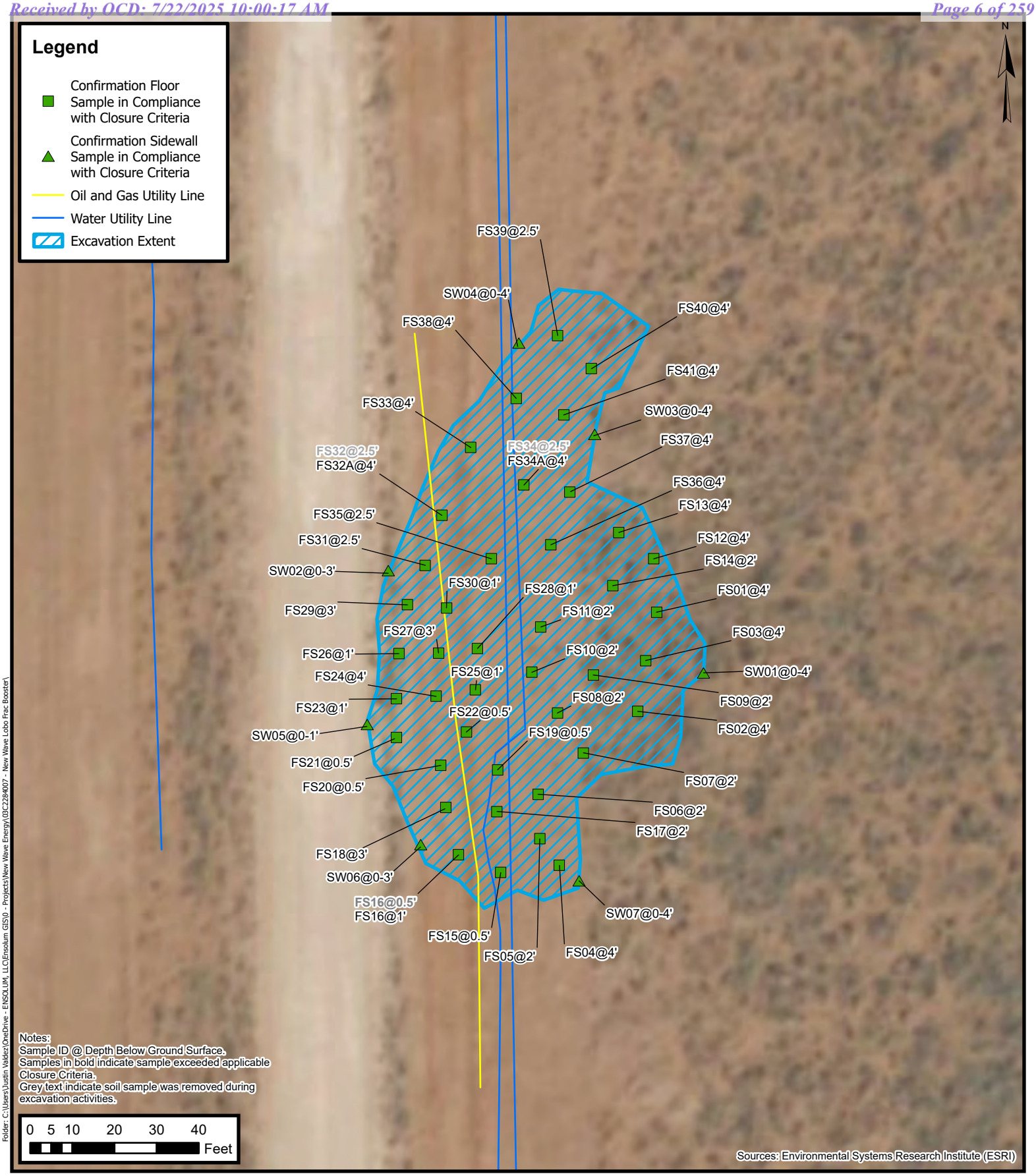
FIGURES



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Environmental, Engineering and Hydrogeologic Consultants

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 1

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TABLES

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples										
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~~	~~16.3~~	~~<15.1~~	~~16.3~~	~~16.3~~	~~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

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	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~~	~~28.0~~	~~<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

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APPENDIX A

Remediation Work Plan, May 15, 2025

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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

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, BH06, BH06A, BH06B, BH07A, and BH08 collected at 1-foot bgs indicated chloride concentrations exceeded reclamation requirement

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

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

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

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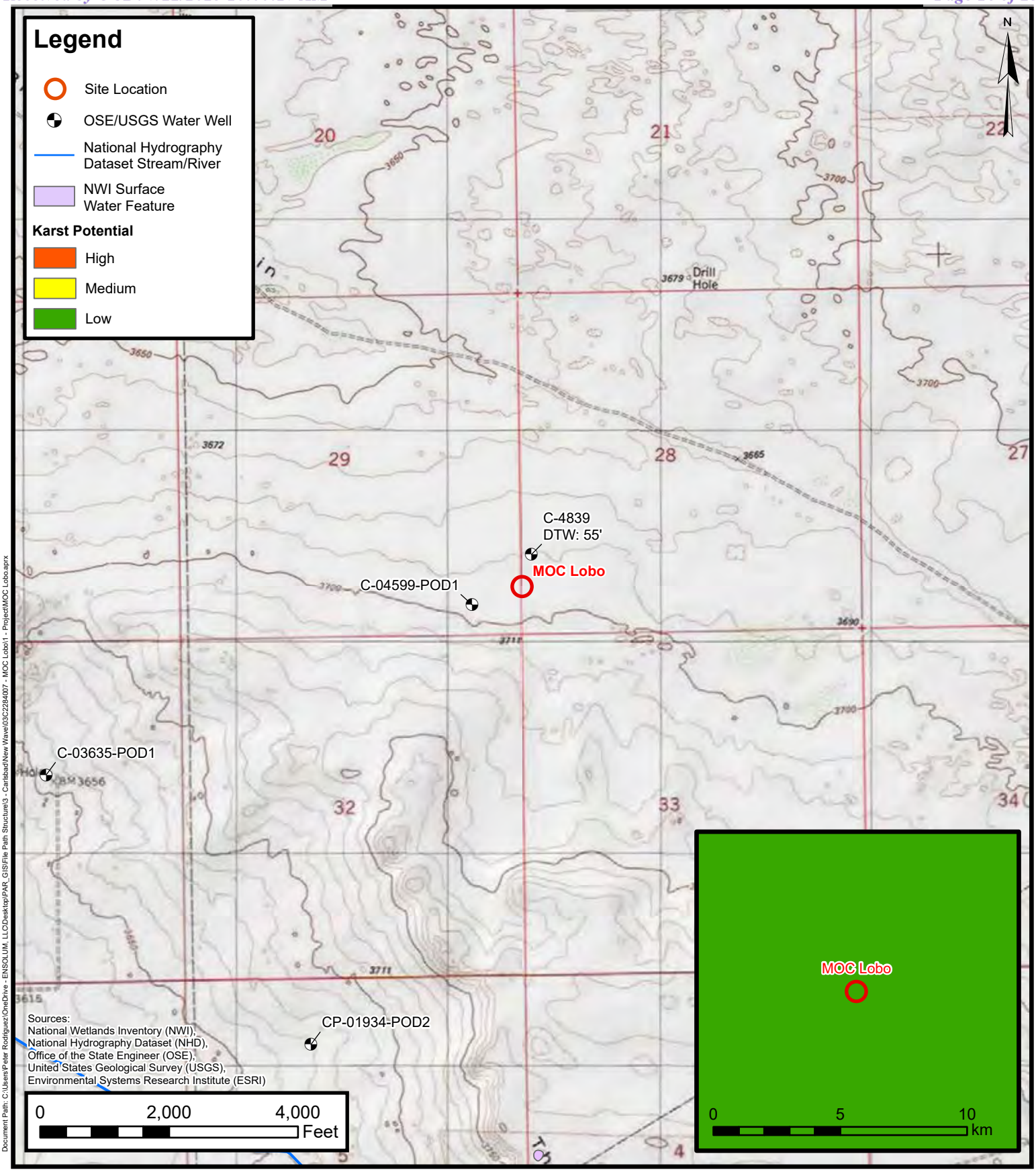
FIGURES



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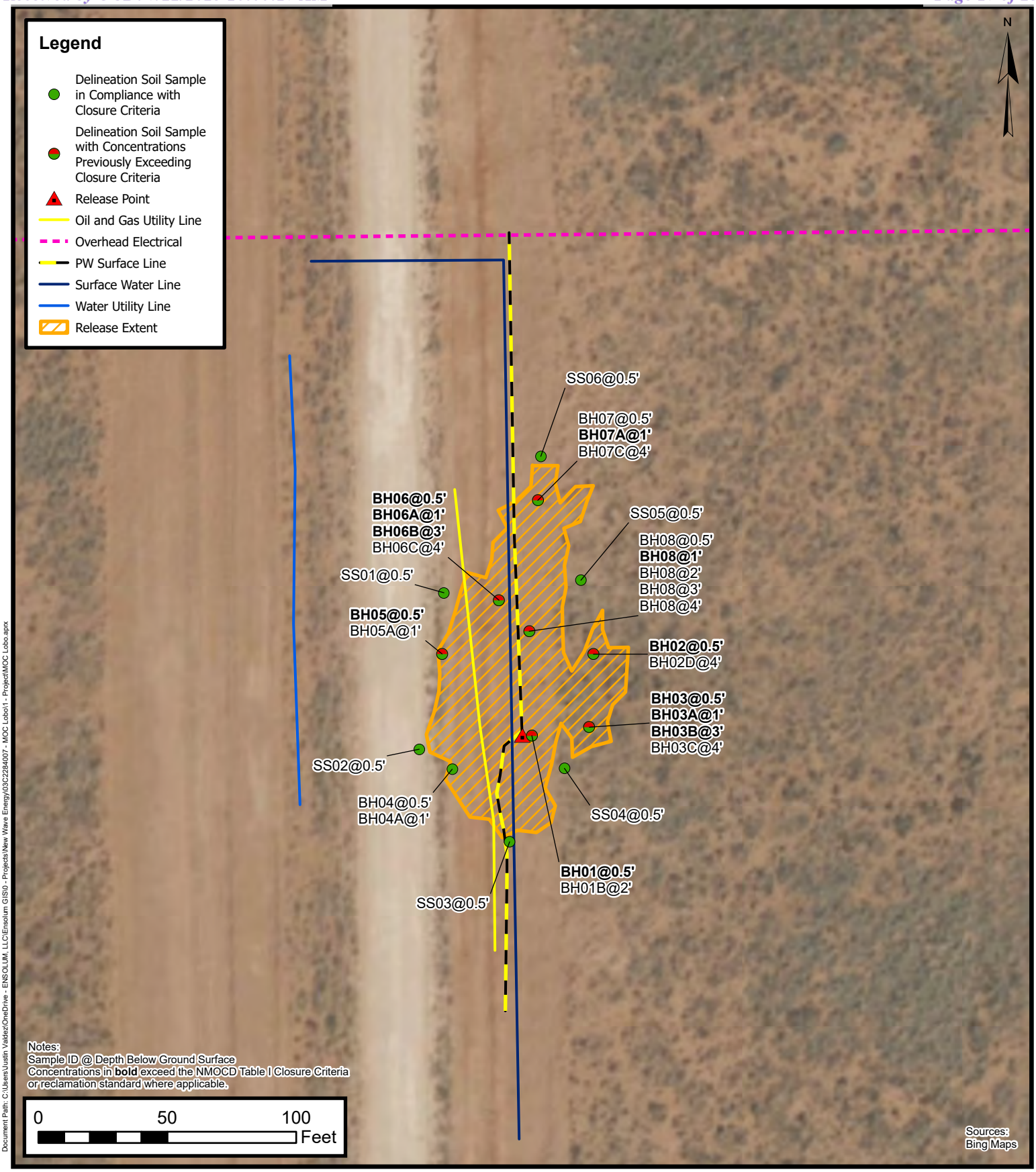
Environmental, Engineering and Hydrogeologic Consultants

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
1



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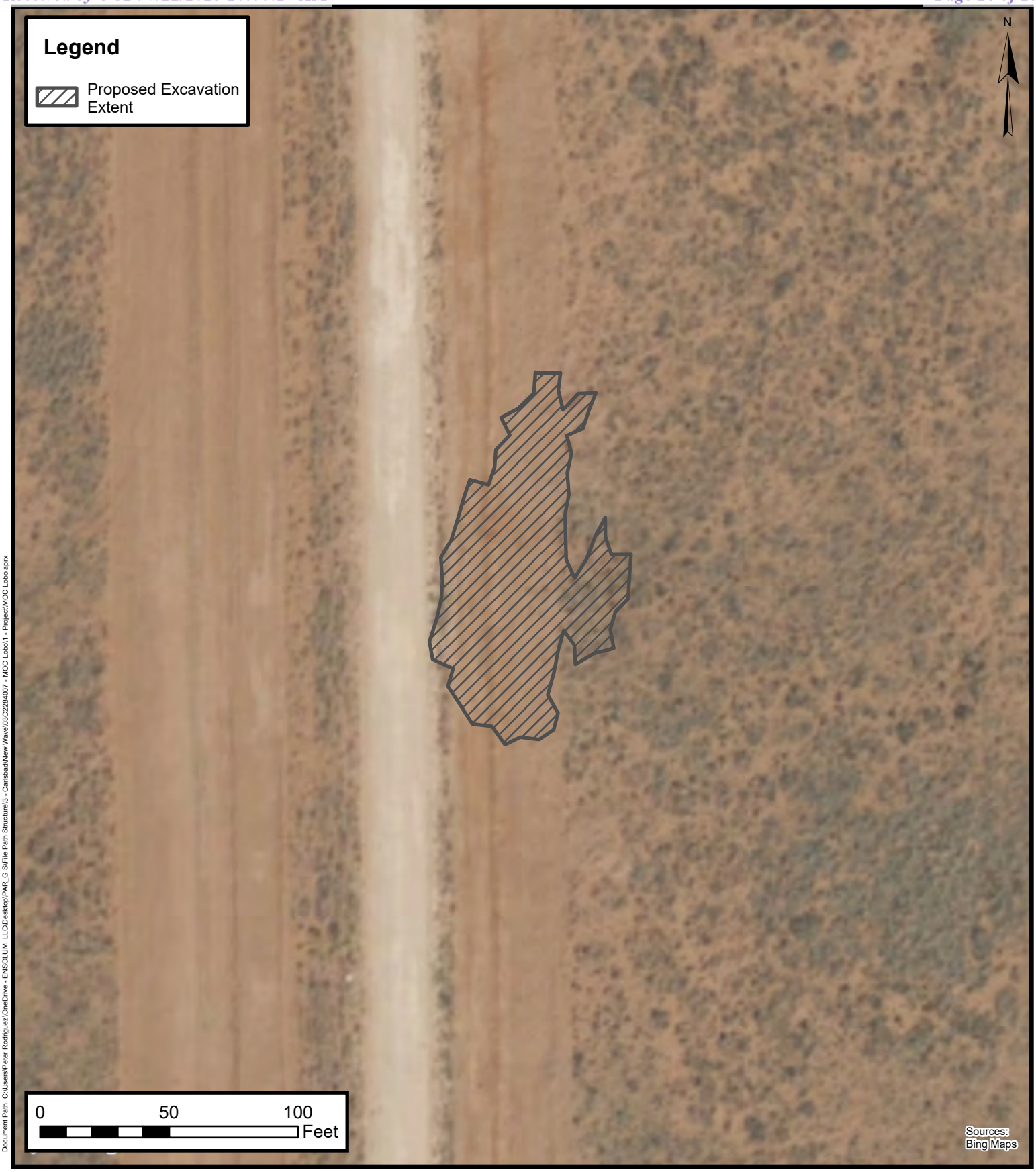
Environmental, Engineering and Hydrogeologic Consultants

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
2



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\New Wave\03C2284007 - MOC Lobo\1 - Project\MOC Lobo.aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

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
3

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TABLES

ENSOLUM

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
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	<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	<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	<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

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	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

ENSOLUM

APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1		C 04839

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Goodnight Midstream Permian, LLC	432-530-9517

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
11612 Tower Road	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	26	44.89	N
	LONGITUDE	103	41	15.78	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Unit Letter M, Section 28, T21S, R32E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1755	John Norris	Hungry Horse, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
6/14/24	6/14/24		55	NA

COMPLETED WELL IS:	STATIC WATER LEVEL IN COMPLETED WELL (FT)	DATE STATIC MEASURED
☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)	NA	NA

DRILLING METHOD: ☑ AIR ☐ MUD ☐ ADDITIVES – SPECIFY

DRILLING FLUID: ☑ ROTARY ☐ HAMMER ☐ [illegible] ☐ OTHER – SPECIFY

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No Casing				

OSE DII ROSWELL NM
AUG 15 2024 PM 2:15

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)*	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	10	6	bentonite chips	1.96	tremie
10	55	6	native soil	8.84	shovel

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4839	POD NO. 1	TRN NO. 760735
LOCATION 21S.32E.28 133	WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	15	15	Dark Brown, Sandstone w/Gypsum Fragments, Silty	Y ✔ N	
15	20	5	Tan, Very Fine Sandstone, Silty	Y ✔ N	
20	25	5	Brown, Very Fine Sandstone, Silty	Y ✔ N	
25	30	5	Tan, Very Fine Sandstone, Silty	Y ✔ N	
30	45	15	Tan, Very Fine Sandstone w/Gypsum Fragments, Silty	Y ✔ N	
45	55	10	Brown, Very Fine Sandstone w/Gypsum Fragments, Silty	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

OSE DII ROSWELL NM
AUG 15 2024 PM2:16

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: Not tested

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: The borehole was drilled according to NMOCD request as no water wells exist within a half-mile radius of a release site. As per NMOCD, drill a 55' borehole, wait 72 hours, then gauge for presence of water. No water was present so borehole was plugged per approved plugging plan.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:
Dean Parent

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

John Norris — 8/9/24

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4839	POD NO. 1	TRN NO. 760735	
LOCATION 215.32E.28 133		WELL TAG ID NO. NA	PAGE 2 OF 2

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APPENDIX B

Photographic Log

ENSOLUM

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

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

Sample Name: BH01	Date: 3-24-25	
Site Name: New Wave Lobo Frac Booster		
Incident Number: nAPP2505953548		
Job Number: 03C2284007		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.444441, -103.688199	Hole Diameter: 3.5 inch	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	5852	0.1	N	BH01	0.5			
Dry	3292	0	N		1	1	SC-SC	(0-2') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	<162	1.6	N	BH01B	2	2		

Final Depth @ 2 Feet

ENSOLUM

Sample Name: BH02	Date: 3-24-25	
Site Name: New Wave Lobo Frac Booster		
Incident Number: nAPP2505953548		
Job Number: 03C2284007		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.4445461, -103.6881191	Hole Diameter: 3.5 inch	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	4177	0	N	BH02	0.5			
Dry	5112	0	N		1	1		
Dry	1696	0.9	N		2	2	SC-SC	(0-4') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	1164	1	N		3	3		
Dry	515	2.1	N	BH02D	4	4		

Final Depth @ 4 Feet

ENSOLUM

Sample Name: BH03	Date: 3-24-25
Site Name: New Wave Lobo Frac Booster	
Incident Number: nAPP2505953548	
Job Number: 03C2284007	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe / Method: Hand Auger
Coordinates: 32.444449, -103.688126	Hole Diameter: 3.5 inch / Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	5852	0	N	BH03	0.5		SC-SC	(0-4') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	3242	0.1	N	BH03A	1	1		
Dry	9111	0.7	N		2	2		
Dry	2470	0.3	N	BH03B	3	3		
Dry	<174	0.4	N	BH03C	4	4		

Final Depth @ 4 Foot

ENSOLUM

	Sample Name: BH04	Date: 3-24-25
	Site Name: New Wave Lobo Frac Booster	
	Incident Number: nAPP2505953548	
	Job Number: 03C2284007	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.444406, -103.688299	Hole Diameter: 3.5 inch	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	<162	0	N	BH04	0.5		SC-SC	(0-1') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	<162	0	N	BH04A	1	1		

Final Depth @ 1 Foot

ENSOLUM

Sample Name: BH05	Date: 3-24-25	
Site Name: New Wave Lobo Frac Booster		
Incident Number: nAPP2505953548		
Job Number: 03C2284007		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.444529, -103.688310	Hole Diameter: 3.5 inch	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	2273	0	N	BH05	0.5		SC-SC	(0-1') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	274	0.1	N	BH05A	1	1		

Final Depth @ 1 Foot

ENSOLUM

Sample Name: BH06	Date: 3-24-25	
Site Name: New Wave Lobo Frac Booster		
Incident Number: nAPP2505953548		
Job Number: 03C2284007		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.444586, -103.688238	Hole Diameter: 3.5 inch	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	4552	0	N	BH06	0.5			
Dry	5073	0.1	N	BH06A	1	1		
Dry	3158	0.7	N		2	2	SC-SC	(0-4') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	12672	1.6	N	BH06B	3	3		
Dry	8406	0.9	N	BH06C	4	4		
Final Depth @ 4 Foot								

ENSOLUM

	Sample Name: BH07	Date: 3-24-25
	Site Name: New Wave Lobo Frac Booster	
	Incident Number: nAPP2505953548	
	Job Number: 03C2284007	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.4446906, -103.6881859	Hole Diameter: 3.5 inch	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	4670	0.1	N	BH07	0.5			
Dry	5073	0.1	N	BH07A	1	1		
Dry	1020	0.0	N		2	2	SC-SC	(0-4') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	1025	0.0	N		3	3		
Dry	1030	0.4	N	BH07C	4	4		

Final Depth @ 4 Foot

ENSOLUM

Sample Name: BH08	Date: 3-24-25
Site Name: New Wave Lobo Frac Booster	
Incident Number: nAPP2505953548	
Job Number: 03C2284007	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Evan Roe	Method: Hand Auger
Coordinates: 32.444552, -103.688200	Hole Diameter: 3.5 inch
	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A correction factor of 40% is included for chloride.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	4177	0.1	N	BH08	0.5			
Dry	3556	0.1	N	BH08	1	1		(0-2') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	5073	0.1	N	BH08	2	2	SC-SC	
Dry	767	0.1	N	BH08	3	3		(3-4') CLAYEY SAND. Brown. Fine. Uniform. No staining, no odor.
Dry	1254	0.1	N	BH08	4	4		

Final Depth @ 4 Feet

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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 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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 01B 2' (H251811-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 02 .5' (H251811-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.0 %* *40.6-153*

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

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 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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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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 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.5 %* *40.6-153*

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CARDINAL Laboratories

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

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 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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 04A 1' (H251811-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 05 .5' (H251811-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 06 .5' (H251811-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.4 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 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 *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 08 .5' (H251811-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 08 1' (H251811-16)

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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.9 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 08 2' (H251811-17)

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 *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 08 3' (H251811-18)

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	03/31/2025	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 08 4' (H251811-19)

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	03/31/2025	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 State: TX Zip: 79701
Phone #: 432-296-0627 Fax #:
Project #: 03C2284007 Project Owner: New Wave
Project Name: Old Lobo
Project Location: 32.444437, -103.688210
Sampler Name: Evan Roe

BILL TO
P.O. #:
Company: Ensolum LLC
Attn: Jeremy Reich
Address: 601 N Marienfeld Street, Suite 400
City: Midland
State: NM Zip: 79701
Phone #: 432-296-0627
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H257811																		
1	BH01	.5	G	1			✓					✓		3-24-25	1039	✓	✓	✓
2	BH01B	1.2	G	1			✓					✓		3-24-25	1430	✓	✓	✓
3	BH02	.5	G	1			✓					✓		3-24-25	1055	✓	✓	✓
4	BH02D	1.4	G	1			✓					✓		3-24-25	1516	✓	✓	✓
5	BH03	.5	G	1			✓					✓		3-24-25	1111	✓	✓	✓
6	BH03A	1	G	1			✓					✓		3-24-25	1115	✓	✓	✓
7	BH04	.5	G	1			✓					✓		3-24-25	1120	✓	✓	✓
8	BH04A	1	G	1			✓					✓		3-24-25	1124	✓	✓	✓
9	BH05	.5	G	1			✓					✓		3-24-25	1217	✓	✓	✓
10	BH05A	1	G	1			✓					✓		3-24-25	1222	✓	✓	✓

Relinquished By: Date: 3.27.25 Time: 1320 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: : jreich@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 1.8 Corrected Temp. °C 2.1
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113 Correction Factor -0.3°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C Corrected Temp. °C

#140 +0.3c = 3/27/25

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Jeremy Reich	P.O. #:
Address: 601 N Marienfeld Street, Suite 400	Company: Ensolum LLC
City: Midland State: TX Zip: 79701	Attn: Jeremy Reich
Phone #: 432-296-0627 Fax #:	Address: 601 N Marienfeld Street, Suite 400
Project #: 03C2284007 Project Owner: New Wave	City: Midland
Project Name: Old Lobo	State: NM Zip: 79701
Project Location: 32.444437, -103.688210	Phone #: 432-296-0627
Sampler Name: Evan Roe	Fax #:

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY) H257811	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: OIL	MATRIX: SLUDGE	MATRIX: OTHER	PRESERV.: ACID/BASE	PRESERV.: ICE / COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	TPH 8015	BTEX 8021	Chloride 4500
11	BH 06	.5	G	1			✓					✓		3-24-25	1231	✓	✓	✓
12	BH 06 A	1	G	1			✓					✓		3-24-25	1236	✓	✓	✓
13	BH 07	.5	G	1			✓					✓		3-24-25	1245	✓	✓	✓
14	BH 07 A	1	G	1			✓					✓		3-24-25	1249	✓	✓	✓
15	BH 08	.5	G	1			✓					✓		3-24-25	1258	✓	✓	✓
16	BH 08	1	G	1			✓					✓		3-24-25	1301	✓	✓	✓
17	BH 08	2	G	1			✓					✓		3-24-25	1347	✓	✓	✓
18	BH 08	3	G	1			✓					✓		3-24-25	1355	✓	✓	✓
19	BH 08	4	G	1			✓					✓		3-24-25	1407	✓	✓	✓

Relinquished By: [signature]	Date: 3-27-25 Time: 1390	Received By: [signature]	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: jreich@ensolum.com BBeill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.8 Corrected Temp. °C 2.1	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials) [initials]

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 #140 Correction Factor -0.5°C +0.3°C

Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 C 4' (H252660-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.5 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 06 B 3' (H252660-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 06 C 4' (H252660-04)

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	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 %* *71.5-134*

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 Analyzed 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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *85.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 07 B 3' (H252660-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/05/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 07 C 4' (H252660-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/05/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC	BILL TO
Project Manager: Jeremy Reich	P.O. #:
Address: 3122 National Parks Hwy	Company: Ensolum
City: Carlsbad State: NM Zip: 88220	Attn:
Phone #: 432 296 0627 Fax #:	Address:
Project #: 03C22841 007 Project Owner: New Wave	City: JDB
Project Name: MOC Lobo	State: Zip:
Project Location: 32.444137, -103.688210	Phone #:
Sampler Name: Joshua Bosley	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: Chlorides	TPH	BTEX
H252660																		
1	BH03B	3	G	1			X					X		5.2.25	1005	X	X	X
2	BH03C	4													1010			
3	BH06B	3													0956			
4	BH06C	4													0958			
5	BH07B	3													1025			
6	BH07C	4	G	1			X					X		5.2.25	1030	X	X	X

JDB

Relinquished By:	Date: 5.5.25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1220		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: Incident: nAPP2505953548
	Time:		Cost Center:
Delivered By: (Circle One)	Observed Temp. °C 2.5	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.8		Turnaround Time: ~~Standard~~ Rush 48 hr; Thermometer ID: #140; Correction Factor: +0.3
			Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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

eurofins | 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

See page two for job notes and contact information.

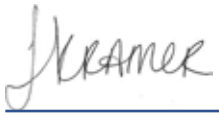
Eurofins Carlsbad

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



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5/14/2025 3:38:46 PM

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

Client: Ensolum
Project/Site: MOC LOBO

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

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-8153-1
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
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.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum
Project: MOC LOBO

Job ID: 890-8153-1

Job ID: 890-8153-1 Eurofins Carlsbad

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 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

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

Receipt
The samples were received on 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.

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: SS 01

Lab Sample ID: 890-8153-1
Matrix: Solid
Date Collected: 05/12/25 14:35
Date Received: 05/13/25 16:14
Sample Depth: 0.5

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

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/13/25 14:57	05/14/25 11:33	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 11:33	1
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	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/13/25 14:57*	*05/14/25 11:33*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/13/25 14:57*	*05/14/25 11:33*	*1*

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

Client Sample ID: SS 02

Lab Sample ID: 890-8153-2
Matrix: Solid
Date Collected: 05/12/25 14:46
Date Received: 05/13/25 16:14
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (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 14:02	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*

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

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		05/13/25 14:57	05/14/25 11:49	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: SS 02

Lab Sample ID: 890-8153-2
Matrix: Solid
Date Collected: 05/12/25 14:46
Date Received: 05/13/25 16:14
Sample Depth: 0.5

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

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**	**J B**	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 Chromatography - 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
Matrix: Solid
Date Collected: 05/12/25 14:43
Date Received: 05/13/25 16:14
Sample Depth: 0.5

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

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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/13/25 14:57*	*05/14/25 12:06*	*1*
o-Terphenyl	*81*		*70 - 130*	*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	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		9.96	0.393	mg/Kg			05/14/25 11:48	1

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Lab Sample ID: 890-8153-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.1	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:22	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:22	1
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*
o-Terphenyl	*80*		*70 - 130*	*05/13/25 14:57*	*05/14/25 12:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - 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

Client Sample ID: SS 05

Date Collected: 05/12/25 14:39
Date Received: 05/13/25 16:14
Sample Depth: 0.5

Lab Sample ID: 890-8153-5
Matrix: Solid

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

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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	50.2	14.6	mg/Kg		05/13/25 14:57	05/14/25 12:39	1

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: SS 05

Lab Sample ID: 890-8153-5
Matrix: Solid
Date Collected: 05/12/25 14:39
Date Received: 05/13/25 16:14
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.2	U	50.2	15.2	mg/Kg		05/13/25 14:57	05/14/25 12:39	1
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	D	Prepared	Analyzed	Dil Fac
Chloride	**311**		9.96	0.393	mg/Kg			05/14/25 12:16	1

Client Sample ID: SS 06

Lab Sample ID: 890-8153-6
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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 13:55	1

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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
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	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:55	1

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

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Surrogate Legend

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

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07108		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
o-Xylene	0.100	0.08147		mg/Kg		81	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD 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

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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

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

Lab Sample ID: 880-58044-A-39-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 880-58044-A-39-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110089 — **Prep Batch: 110097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-110098/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110091 — **Prep Batch: 110098**

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB 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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110091 — **Prep Batch: 110098**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

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

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

Lab Sample ID: LCSD 880-110098/2-A
Matrix: Solid
Analysis Batch: 110091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110098

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07418		mg/Kg		74	70 - 130	1	35
Toluene			0.100	0.07085		mg/Kg		71	70 - 130	0	35
Ethylbenzene			0.100	0.07077		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1370	*-	mg/Kg		69	70 - 130	1	35
o-Xylene			0.100	0.07139		mg/Kg		71	70 - 130	0	35

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

Lab Sample ID: 880-58044-A-45-D MS
Matrix: Solid
Analysis Batch: 110091

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00139	U	0.100	0.08339		mg/Kg		83	70 - 130		
Toluene	<0.00200	U	0.100	0.07640		mg/Kg		76	70 - 130		
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		
o-Xylene	<0.00158	U	0.100	0.07990		mg/Kg		80	70 - 130		

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Surrogate	MSD %Recovery	MSD 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

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

Surrogate	MB %Recovery	MB 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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	862.4		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	841.1		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS 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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	842.1		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	907.2		mg/Kg		91	70 - 130	8	20

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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

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

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

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	1000	732.1		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<15.1	U	1000	805.0		mg/Kg		80	70 - 130	1	20

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			05/14/25 09:55	1

Lab Sample ID: LCS 880-110082/2-A
Matrix: Solid
Analysis Batch: 110088

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-110082/3-A
Matrix: Solid
Analysis Batch: 110088

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

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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8153-4 MS
Matrix: Solid
Analysis Batch: 110088

Client Sample ID: SS 04
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	245	F1	253	528.7	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-8153-4 MSD
Matrix: Solid
Analysis Batch: 110088

Client Sample ID: SS 04
Prep Type: Soluble

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

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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 Batch
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: SS 01
Date Collected: 05/12/25 14:35
Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Date Collected: 05/12/25 14:46
Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Date Collected: 05/12/25 14:43
Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Client Sample ID: SS 04
Date Collected: 05/12/25 14:41
Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Project/Site: MOC LOBO

Job ID: 890-8153-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 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 13:35	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	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	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: MOC LOBO

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Ensolum
Project/Site: MOC LOBO

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

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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: 890-8153-1
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
890-8153-6	SS 06	Solid	05/12/25 14:37	05/13/25 16:14	0.5

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page ___1__ of ___1___

Project Manager:	Jeremy Reich	Bill to: (if different)	Jeremy Reich
Company Name:	Ensolum,LLC	Company Name:	Ensolum
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	usantillana@ensolum.com/ Jreich@ensolum.com/ kthompson@ensolum.com

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MOC Lobo	**Turn Around**	
Project Number:	03C2284007	☐ Routine ☑ Rush	
Project Location:	32.444437, -103.688210	Due Date:	24hr
Sampler's Name:	Uriel Santillana	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.6
Total Containers:		Corrected Temperature:	2.4

ANALYSIS REQUEST

890-8153 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)	TEG - 8015D	TX1006	Parameters
SS01	S	5/12/2025	1435	0.5	G	1		x	x	x			
SS02			1446										
SS03			1443										
SS04			1441										
SS05			1439										
SS06			1437										

Sample Comments

Incident #:
nAPP2505953548
API:
30-025-27779

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

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

Login Number: 8153
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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 Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/14/25 07:50 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

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

Photograph: 2 Date: 5/19/2025
Description: Excavation activities in the vicinity of FS18, FS20, FS21
View: North

Photograph: 3 Date: 5/20/2025
Description: Excavation activities in the vicinity of SW04, FS39, FS40, FS41, FS48
View: Southwest

Photograph: 4 Date: 5/20/2025
Description: Excavation activities in the vicinity of SW02, SW05, FS04 - FS08, FS10 - FS30
View: Southeast

ENSOLUM

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

Photograph:	5
Date:	5/27/2025
Description:	Excavation activities in the vicinity of SW01, FS01 - FS03, FS13, FS14, FS09
View:	West

Photograph:	6
Date:	5/27/2025
Description:	Excavation activities in the vicinity of SW07, FS04 - FS08, FS15 - FS20
View:	North

Photograph:	7
Date:	5/28/2025
Description:	Excavation activities in the vicinity of SW02, FS33, FS38 - FS41
View:	West

Photograph:	8
Date:	5/28/2025
Description:	Excavation activities in the vicinity of SW03, FS34, FS37, FS36, FS13
View:	East

ENSOLUM

APPENDIX C

Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name: Conner Walker
Phone No.

GENERATOR

NO. HW-764412

Generator Manifest #
Generator Name: Mewbourne Oil Company
Address
City, State, Zip
Phone No.

Location of Origin: BJ Rey 29 Fed Bn 001
Lease/Well Name & No.: ~~Mewb...~~
County: Project 03C2284007
API No.: 30-025-27779
Rig Name & No.: Incident nAPP2508953549
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Belly Dump
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids				
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
E&P Contaminated Soil	X	Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: Sam Tex Mex
Address
Phone No.
Transporter Ticket #

Driver's Name: Rene Garcia
Print Name
Phone No.
Truck No.: 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE: 6-16-25 DRIVER'S SIGNATURE: Rene Garcia DELIVERY DATE: 6/16-25 DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No.

Site Name/Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

C-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Conner Walker
Phone No.

GENERATOR

NO. HW-764415

Generator Manifest #
Generator Name Mewbourne Oil Company
Address

City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No. Bell Lake 29 Fed Com 001 Lobo
County Project 03C2284007
API No. 30-025-27779
Rig Name & No. Incident NAPP 2505553548
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Belly Dumps
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil	X			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _______ *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name San Tex Mex
Address
Phone No.
Transporter Ticket #

Driver's Name Rene Garcia
Print Name
Phone No.
Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

6/6/25 — Rene Garcia — 6/6/25 — [signature]
SHIPMENT DATE — DRIVER'S SIGNATURE — DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: _______ OUT: _______

RECEIVING AREA
Name/No. 2S1

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

[signature] — 6/6/25 — [signature] — [signature]
NAME (PRINT) — DATE — TITLE — SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-772710

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name ____
Phone No. ____

GENERATOR

NO. HW-771010

Generator Manifest # ____
Generator Name: NEW WAVE ENERGY
Address ____
City, State, Zip ____
Phone No. ____

Location of Origin ____
Lease/Well Name & No. ____
County ____
API No. ____
Rig Name & No. ____
AFE/PO No. ____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings		Washout Water (Non-Injectable)			
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)			
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	✓	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ____ *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE ____ DATE ____ SIGNATURE ____

TRANSPORTER

Transporter's Name ____
Address ____
Phone No. ____
Transporter Ticket # ____

Driver's Name ____
Print Name ____
Phone No. ____
Truck No. ____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE ____ DRIVER'S SIGNATURE ____ DELIVERY DATE ____ DRIVER'S SIGNATURE ____

TRUCK TIME STAMP
IN: ____ OUT: ____

DISPOSAL FACILITY

RECEIVING AREA
Name/No. ____

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

NAME (PRINT) ____ DATE ____ TITLE ____ SIGNATURE ____

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-772709

Generator Manifest #		Location of Origin	MOC
Generator Name	NEW WAVE ENERGY	Lease/Well Name & No.	
Address		County	Eddy
		API No.	
City, State, Zip		Rig Name & No.	
Phone No.		AFE/PO No.	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Muds		Washout Water (Non-Injectable)			
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Muds		Produced Water (Non-Injectable)			
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)			
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY	TOP SOIL CALICHE
E&P Contaminated Soil					
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ____ *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name		Driver's Name	
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No.

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow - TRANSPORTER COPY Pink - GENERATOR SITE COPY Gold - RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Ernie Walker
Phone No.

GENERATOR

NO. HW-774025

Generator Manifest # Milwaukee Oil Company
Generator Name New Wave Energy
Address
City, State, Zip
Phone No.

Location of Origin Mule Lobo - Billy Federal 001
Lease/Well Name & No. MeDel 03C2284007
County Incident # APP25053931 4X
API No. 30-025-27179
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)					
Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings		Washout Water (Non-Injectable)		Belly	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)			
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	✓	Truck Washout (exempt waste)	YES NO (circled)	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ________ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE / DATE / SIGNATURE

TRANSPORTER

Transporter's Name Son Trucking
Address
Phone No. [illegible]
Transporter Ticket #

Driver's Name Adrian Herrera
Print Name Alkeport 1005
Phone No.
Truck No. 63

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 6/16/25 DRIVER'S SIGNATURE [signature] DELIVERY DATE 6/16/25 DRIVER'S SIGNATURE [signature]

TRUCK TIME STAMP
IN: ________ OUT: ________

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 20

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE 6/16 TITLE SIGNATURE

R-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-771923

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No. / Address: **Halfway Facility / NM1-006**, **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name ____
Phone No. ____

GENERATOR

NO. HW-771924

Generator Manifest #		Location of Origin	
		Lease/Well	
Generator Name		Name & No.	
Address		County	
		API No.	
City, State, Zip		Rig Name & No.	Project: 03C2284007
Phone No.		AFE/PO No.	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Belly
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste)	YES NO	QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil				
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name		Driver's Name	
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	63

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

6/16/25 — SHIPMENT DATE; DRIVER'S SIGNATURE; 6/16/25 — DELIVERY DATE; DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: ____ OUT: ____

RECEIVING AREA
Name/No. 28

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)	
BS&W/BBLS Received			
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE 6/16/25 TITLE SIGNATURE

E-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Connor Walk
Phone No.

GENERATOR

NO. HW- 738796

Generator Manifest #
Generator Name Newbourne Oil
Address
City, State, Zip
Phone No.

Location of Origin Billrey 29 Fed com
Lease/Well Name & No.
County Project 02C...
API No. 30-025-...
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Billy Dump
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil	✓			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

Connor Walker
(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name Sem Tex Alex
Address
Phone No.
Transporter Ticket #

Driver's Name Gustavo Ruiz
Print Name
Phone No.
Truck No. #58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

6-16-25 SHIPMENT DATE | [signature] DRIVER'S SIGNATURE | 6-16-25 DELIVERY DATE | [signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: ______ OUT: ______

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 28

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES (NO)
PASS THE PAINT FILTER TEST? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)
Free Water		
Total Received		

I hereby certify that the above load material has been (circle one): (ACCEPTED) DENIED If denied, why?

[name] NAME (PRINT) | [date] DATE | [title] TITLE | [signature] SIGNATURE

E-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Connor Walker
Phone No.

GENERATOR

NO. HW- 736303

Generator Manifest #		Location of Origin	Billbury 23 Federal Com #001
Generator Name	Mewbourne Oil	Lease/Well Name & No.	Mac Lake
Address		County	Project 07C2284007
		API No.	30-025-27779
City, State, Zip		Rig Name & No.	
Phone No.		AFE/PO No.	Billy's Dumps / Nvapp2505855548

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Billy Dumps
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms	✓	Truck Washout (exempt waste) YES NO		QUANTITY — TOP SOIL CALICHE
E&P Contaminated Soil				
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

Connor Walker
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name	Sun Tex Mex	Driver's Name	Gustavo Ruiz
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	#58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

6-16-25 — [signature] — 6-16-25 — [signature]
SHIPMENT DATE — DRIVER'S SIGNATURE — DELIVERY DATE — DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: ______ OUT: ______

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 36

Site Name/Permit No.: **Halfway Facility / NM1-006** Phone No. **575-392-6368**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

NORM READINGS TAKEN? (Circle One) YES NO — If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

Alejandro P — 6/16/25 — Admin — AP
NAME (PRINT) — DATE — TITLE — SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Conrad Walker
Phone No.

GENERATOR

NO. AD- 0033276

Generator Manifest # Matador O&G Company
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No. Bilbrey 99 Fed com #1
County
API No. 30-025-37779
Rig Name & No.
AFE/PO No. 250E953548

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		Belly Dump
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil	20			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Sam Tex Mex Trucking
Address
Phone No.
Transporter Ticket #

Driver's Name Peter
Print Name
Phone No.
Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE 2-14-25 DELIVERY DATE [signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 2F

Site Name/Permit No. **Antelope Draw Facility / NM1-66**
Address **476 Battle Axe Rd., Jal, NM 88252**
Phone No. **575-236-1734**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)	
BS&W/BBLS Received			
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Connor Bilbrey
Phone No.

GENERATOR

NO. AD- 0033277

Generator Manifest # Marbourne Oil company
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No. Bilbrey 29 Fed com #1
County 0303984007
API No. 30-025-37788
Rig Name & No.
AFE/PO No. 150595548

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings		Washout Water (Non-Injectable)		Belly Dump	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)			
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	30	Truck Washout (exempt waste) YES NO		QUANTITY	TOP SOIL CALICHE
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other ________ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Sam Tex Mex Truck
Address
Phone No.
Transporter Ticket #

Driver's Name Peter
Print Name
Phone No.
Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE 6-16-25 DELIVERY DATE [signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 23

Site Name/Permit No. **Antelope Draw Facility / NM1-66**
Address **476 Battle Axe Rd., Jal, NM 88252**
Phone No. **575-236-1734**

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)	
BS&W/BBLS Received			
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

F-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Walker Conner
Phone No.

GENERATOR

NO. AD- 0033278

Generator Manifest # Maverick Oil Company
Generator Name Ritter Water Energy
Address
Ritter Water Energy
City, State, Zip
Phone No.

Location of Origin Belbee 99 Fed Com #1
Lease/Well Name & No.
County 030384007
API No. 30-035-27779
Rig Name & No.
AFE/PO No. 2505463548

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)					
Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings		Washout Water (Non-Injectable)			
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)			
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		Belly Dump	
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	90				
Gas Plant Waste		Truck Washout (exempt waste) YES NO		QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 90 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE ______ DATE ______ SIGNATURE ______

TRANSPORTER

Transporter's Name San Tex Mex Trucking
Address
Phone No.
Transporter Ticket #

Driver's Name Peter
Print Name
Phone No.
Truck No. 109

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE ______ DRIVER'S SIGNATURE ______ DELIVERY DATE 6-16-25 DRIVER'S SIGNATURE Peter [signature]

TRUCK TIME STAMP
IN: ______ OUT: ______

DISPOSAL FACILITY

RECEIVING AREA
Name/No. ______

Site Name/Permit No. Antelope Draw Facility / NM1-66
Address 476 Battle Axe Rd., Jal, NM 88252
Phone No. 575-236-1734

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)	
BS&W/BBLS Received			
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) ______ DATE ______ TITLE ______ SIGNATURE ______

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White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW- 752025

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well
Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Gauge		
Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Gene Walker
Phone No.

GENERATOR

NO. HW-774199

Generator Manifest #
Generator Name Merrihome Oil Company
Address
City, State, Zip
Phone No.

Location of Origin MOC Lobo
Lease/Well Name & No. 0367784007
County NAPP 2503953548
API No. 30-025-37779
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	Bellydump
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	✓	Truck Washout (exempt waste) YES NO	QUANTITY / TOP SOIL / CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name SemTexMex
Address
Phone No.
Transporter Ticket #

Driver's Name Cornelio
Print Name
Phone No.
Truck No. 07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE 6-16-25 DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 28

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)	
BS&W/BBLS Received			
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

R-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-774200

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

-138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-764573

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Strapped Guage		
Second Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW-764581

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

TRUCK TIME STAMP
IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA
Name/No. _____

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Tank Guage		
Rod Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-764579

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Name/
Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
ceived		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

ereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW- 764580

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

TRUCK TIME STAMP
IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA
Name/No. _____

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Start Guage		
End Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW-764582

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin Lease/Well
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

_____ (PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

_____ SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: _____ OUT: _____

RECEIVING AREA
Name/No. _____

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

_____ NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW- 764578

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: _____ OUT: _____

RECEIVING AREA
Name/No. _____

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW-764577

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

_____ (PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

_____ SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA
Name/No. _____

Site Name/
Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

_____ NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW-764576

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin Lease/Well
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY ____ TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

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☐ 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)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: _____ OUT: _____

RECEIVING AREA
Name/No. _____

Facility Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Gauge		
Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-764575

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Facility Name/Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Tank Guage		
Load Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name _____
Phone No. _____

GENERATOR

NO. HW-764574

Generator Manifest # _____
Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other _____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ 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)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. _____
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: _____ OUT: _____

RECEIVING AREA
Name/No. _____

Facility Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Gauge		
Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-771929

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)		
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)		
Water Based Cuttings	Produced Water (Non-Injectable)		
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO	QUANTITY / TOP SOIL / CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from ***Non-Exempt Waste List*** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE 6-13-25 DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No.

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-768105

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well Name & No. BilBrey 29 Fed Com
County
API No. 30-025-
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil	✓			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY 20 | B - BARRELS | L - LIQUID | Y - YARDS | E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE 6-13-25 | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: ______ OUT: ______

RECEIVING AREA
Name/No.

Site Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-771928

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-768101

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: OUT:

RECEIVING AREA Name/No.

Facility Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
ceived		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

reby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW- 7681.00

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Facility Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Tank Guage		
Load Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-768099

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings	Washout Water (Non-Injectable)		
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)		
Water Based Cuttings	Produced Water (Non-Injectable)		
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Gauge		
Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Cody Ox walley
Phone No.

GENERATOR

NO. HW-764609

Generator Manifest # Manhousen ... company
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well Name & No. Mar Lobo
County
API No. 30-025-??929
Rig Name & No. Project ...
AFE/PO No. ...

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Bolly Doza
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY TOP SOIL CALICHE
E&P Contaminated Soil	✓			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from ***Non-Exempt Waste List*** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name Sony Trk ...
Address
Phone No.
Transporter Ticket #

Driver's Name Nabor Rodriguez
Print Name
Phone No.
Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE — DRIVER'S SIGNATURE — 6-12-25 DELIVERY DATE — NR DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. 28

Site Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

Selia — 6-12-25 — ADM — [signature]
NAME (PRINT) — DATE — TITLE — SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW- 764608

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil		Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Strapped Guage		
Dipped Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-76460?

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No.

Name/Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
ceived		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

Hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. HW-171927

Generator Manifest #
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin Lease/Well Name & No.
County
API No.
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

Driver's Name
Print Name
Phone No.
Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: OUT:

RECEIVING AREA
Name/No.

Site Name/ Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Walker
Phone No.

GENERATOR

NO. HW- 753454

Generator Manifest #	Newbourne Oil Company	Location of Origin	
Generator Name		Lease/Well Name & No.	Bilbrey 29 Fed Com #1
Address		County	03C 998 7007
		API No.	30-025-37279
City, State, Zip		Rig Name & No.	
Phone No.		AFE/PO No.	3505963648

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Belly Dump
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY / TOP SOIL / CALICHE
E&P Contaminated Soil	20			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: 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)

☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE ______ DATE ______ SIGNATURE ______

TRANSPORTER

Transporter's Name	Sam Tex Max Trucking	Driver's Name	Peter
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE ______ DRIVER'S SIGNATURE ______ DELIVERY DATE 6 13 25 DRIVER'S SIGNATURE [signature]

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: ______ OUT: ______

RECEIVING AREA
Name/No. 20

Site Name/Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) ______ DATE 6/13 ______ TITLE ______ SIGNATURE ______

138

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Connor Quinlan
Phone No.

GENERATOR

NO. HW- 753453

Generator Manifest # Newbourne Oil Company
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well Name & No. Bilbrey 29 Fed Com #1
County
API No. 30-025-37774
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)	
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings		Produced Water (Non-Injectable)	Belly Dump
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	20	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity

Non-Exempt Other *please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: 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-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)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name Sea Tex Mex Trucking
Address
Phone No.
Transporter Ticket #

Driver's Name Pete
Print Name
Phone No.
Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. JR

Name/ Permit No. **Halfway Facility / NM1-006**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
ceived		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

reby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) | DATE | TITLE | SIGNATURE

38

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Connor Walker
Phone No.

GENERATOR

NO. HW- 753452

Generator Manifest #	New Bourne Oil Company	Location of Origin	
Generator Name		Lease/Well Name & No.	Bilbrey 29 Fed Com #1
Address		County	0SC2389007
		API No.	30-025-37779
City, State, Zip		Rig Name & No.	
Phone No.		AFE/PO No.	2506985548

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		Belly Dump
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY TOP SOIL CALICHE
E&P Contaminated Soil	30			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ____ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ 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)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name	Sam Tex Mex Trucking	Driver's Name	Peter
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	348

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE 6-13-25 DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: ____ OUT: ____

RECEIVING AREA
Name/No. 10

Site Name/Permit No. **Halfway Facility / NM1-006** Phone No. **575-392-6368**
Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

38

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

R360 ENVIRONMENTAL SOLUTIONS

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name: Connor Walker
Phone No.:

GENERATOR

NO. HW- 753451

Generator Manifest #	New Bourne Oil Company	Location of Origin	Bilbrey 34 Fed Com
Generator Name		Lease/Well Name & No.	MOC Lobo
Address		County	DRC2284087
		API No.	#30-025-37779
City, State, Zip		Rig Name & No.	
Phone No.		AFE/PO No.	9505955648

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Muds		Washout Water (Non-Injectable)		
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		Belly Dump
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
Tank Bottoms		Truck Washout (exempt waste) YES NO		QUANTITY · TOP SOIL · CALICHE
E&P Contaminated Soil	20			
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity adn Reactivity.

Non-Exempt Other ______ *please select from **Non-Exempt Waste List** on back*

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☑ RCRA EXEMPT: 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)

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☐ 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)

(PRINT) AUTHORIZED AGENTS SIGNATURE ______ DATE ______ SIGNATURE ______

TRANSPORTER

Transporter's Name	Sen Tex Mex Trucking	Driver's Name	Peter
Address		Print Name	
Phone No.		Phone No.	
Transporter Ticket #		Truck No.	102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE ______ DRIVER'S SIGNATURE ______ DELIVERY DATE 6-13-23 DRIVER'S SIGNATURE Peter [signature]

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: ______ OUT: ______

RECEIVING AREA
Name/No. ______

Site Name/Permit No.: **Halfway Facility / NM1-006**
Address: **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**
Phone No.: **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgents? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Guage		
2nd Guage		
Received		

		BS&W (%)
BS&W/BBLS Received		
Free Water		
Total Received		

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) ______ DATE ______ TITLE ______ SIGNATURE ______

White - R360 ORIGINAL Yellow- TRANSPORTER COPY Pink- GENERATOR SITE COPY Gold- RETURN TO GENERATOR

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | 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

See page two for job notes and contact information.

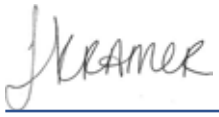
Eurofins Carlsbad

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



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5/16/2025 12:29:28 PM

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

Client: Ensolum
Project/Site: MOC LOBO

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

Table of Contents

Definitions/Glossary

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

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
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

Case Narrative

Client: Ensolum
Project: MOC LOBO

Job ID: 890-8155-1

Job ID: 890-8155-1 Eurofins Carlsbad

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 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

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

Receipt
The samples were received on 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.

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 01

Lab Sample ID: 890-8155-1
Matrix: Solid
Date Collected: 05/13/25 13:01
Date Received: 05/14/25 09:03
Sample Depth: 4'

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

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	1
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 - Total BTEX Calculation

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

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			05/15/25 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/14/25 11:12	05/15/25 12:46	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 12:46	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 12:46	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 12:46*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**667**		9.98	0.394	mg/Kg			05/15/25 14:10	1

Client Sample ID: FS 02

Lab Sample ID: 890-8155-2
Matrix: Solid
Date Collected: 05/13/25 13:04
Date Received: 05/14/25 09:03
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8155-1
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'

Lab Sample ID: 890-8155-2
Matrix: Solid

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 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			05/15/25 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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 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*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 13:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6710**		101	3.99	mg/Kg			05/15/25 14:17	10

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 8021B - Volatile Organic Compounds (GC)

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 Calculation

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 13:59	1

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 03

Lab Sample ID: 890-8155-3
Matrix: Solid
Date Collected: 05/13/25 15:25
Date Received: 05/14/25 09:03
Sample Depth: 4'

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			05/15/25 13:16	1

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

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		05/14/25 11:12	05/15/25 13:16	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:16	1
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	1
Total TPH	<15.1	U	50.0	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:16	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6760**		101	3.98	mg/Kg			05/15/25 14:24	10

Client Sample ID: FS 05

Lab Sample ID: 890-8155-4
Matrix: Solid
Date Collected: 05/13/25 15:31
Date Received: 05/14/25 09:03
Sample Depth: 2'

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

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 14:20	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		05/15/25 08:23	05/15/25 14:20	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		05/15/25 08:23	05/15/25 14:20	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		05/15/25 08:23	05/15/25 14:20	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		05/15/25 08:23	05/15/25 14:20	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		05/15/25 08:23	05/15/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/15/25 08:23*	*05/15/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/15/25 08:23*	*05/15/25 14:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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 14:20	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			05/15/25 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/14/25 11:12	05/15/25 13:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:30	1
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	1

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Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 05

Lab Sample ID: 890-8155-4
Matrix: Solid
Date Collected: 05/13/25 15:31
Date Received: 05/14/25 09:03
Sample Depth: 2'

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

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 Chromatography - Soluble

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'

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

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 - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			05/15/25 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.4**	**J**	49.8	15.1	mg/Kg			05/15/25 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/14/25 11:12	05/15/25 13:45	1
Diesel Range Organics (Over C10-C28)	**18.4**	**J B**	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:45	1
Total TPH	**18.4**	**J B**	49.8	15.1	mg/Kg		05/14/25 11:12	05/15/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 13:45*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 13:45*	*1*

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

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'

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

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'

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

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	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		05/15/25 08:23	05/15/25 16:14	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		05/15/25 08:23	05/15/25 16:14	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		05/15/25 08:23	05/15/25 16:14	1
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 Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/15/25 08:23*	*05/15/25 16:14*	*1*
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 Calculation

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 - Diesel Range Organics (DRO) (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	1

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

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		05/14/25 11:12	05/15/25 14:00	1
Diesel Range Organics (Over C10-C28)	**15.3**	**J B**	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**	**J B**	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 Chromatography - 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

Client Sample Results

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
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (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 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)	*117*		*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*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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		05/14/25 11:12	05/15/25 14:15	1
Diesel Range Organics (Over C10-C28)	**15.4**	**J B**	50.0	15.1	mg/Kg		05/14/25 11:12	05/15/25 14:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		05/14/25 11:12	05/15/25 14:15	1
Total TPH	**15.4**	**J B**	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*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**301**		9.92	0.392	mg/Kg			05/15/25 15:21	1

Client Sample ID: FS 09

Lab Sample ID: 890-8155-8
Matrix: Solid
Date Collected: 05/13/25 15:44
Date Received: 05/14/25 09:03
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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 09

Lab Sample ID: 890-8155-8
Matrix: Solid
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*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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 (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 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

Lab Sample ID: 890-8155-9
Matrix: Solid
Date Collected: 05/13/25 15:46
Date Received: 05/14/25 09:03
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (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 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
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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8155-1
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'

Lab Sample ID: 890-8155-9

Matrix: Solid

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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 Chromatography - 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

Surrogate Summary

Client: Ensolum
Project/Site: MOC LOBO

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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
MB 880-110187/5-A	Method Blank	106	90

Surrogate Legend

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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8155-1
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 Type: Total/NA
Prep Batch: 110187

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB 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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		

Surrogate	*LCS %Recovery*	*LCS 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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08837		mg/Kg		88	70 - 130	0	35
Toluene			0.100	0.09547		mg/Kg		95	70 - 130	1	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	2	35
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD 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

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

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 890-8159-A-1-F MSD
Matrix: Solid
Analysis Batch: 110184

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 110187

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

Surrogate	*MSD %Recovery*	*MSD 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 Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110116

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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/14/25 11:12*	*05/15/25 07:47*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/14/25 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	965.7		mg/Kg		97	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8155-1
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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110116

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

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

Lab Sample ID: LCSD 880-110116/3-A
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110116

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 880-58112-A-29-C MS
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110116

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

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

Lab Sample ID: 880-58112-A-29-D MSD
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 110116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	1000	853.3		mg/Kg		85	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	16.8	J B	1000	807.4		mg/Kg		79	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			05/15/25 12:30	1

Lab Sample ID: LCS 880-110198/2-A
Matrix: Solid
Analysis Batch: 110214

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-110198/3-A
Matrix: Solid
Analysis Batch: 110214

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-8155-4 MS
Matrix: Solid
Analysis Batch: 110214

Client Sample ID: FS 05
Prep Type: Soluble

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

Lab Sample ID: 890-8155-4 MSD
Matrix: Solid
Analysis Batch: 110214

Client Sample ID: FS 05
Prep Type: Soluble

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

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

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

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

Job ID: 890-8155-1
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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 01

Lab Sample ID: 890-8155-1
Matrix: Solid
Date Collected: 05/13/25 13:01
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Soluble	Analysis	300.0		1			110214	05/15/25 14:10	SMC	EET MID

Client Sample ID: FS 02

Lab Sample ID: 890-8155-2
Matrix: Solid
Date Collected: 05/13/25 13:04
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110246	05/15/25 13:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			110260	05/15/25 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 13:01	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		10			110214	05/15/25 14:17	SMC	EET MID

Client Sample ID: FS 03

Lab Sample ID: 890-8155-3
Matrix: Solid
Date Collected: 05/13/25 15:25
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 890-8155-4
Matrix: Solid
Date Collected: 05/13/25 15:31
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 05

Lab Sample ID: 890-8155-4
Matrix: Solid
Date Collected: 05/13/25 15:31
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/13/25 15:34
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/13/25 15:37
Date Received: 05/14/25 09:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110246	05/15/25 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			110260	05/15/25 14:00	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 14:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110198	05/15/25 09:24	SA	EET MID
Soluble	Analysis	300.0		1			110214	05/15/25 15:00	SMC	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	Prep	8015NM Prep			10.00 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 14:15	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

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

Client Sample ID: FS 08

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

Lab Sample ID: 890-8155-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

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

Lab Sample ID: 890-8155-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

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

Lab Sample ID: 890-8155-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 MID
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 MID
Soluble	Analysis	300.0		1			110214	05/15/25 15:35	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: MOC LOBO

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

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

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

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'

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	JEREMY REICH	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432.296.0627	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MOC LOBO	Turn Around	
Project Number:	03C2284007	☐ Routine ☒ Rush	
Project Location:	32.444437, -103.688210	Due Date: 5/16/2025	
Sampler's Name:	CHRIS WRIGHT	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.6	
Total Containers:		Corrected Temperature:	1.4	

ANALYSIS REQUEST

890-8155 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	CHLORIDES	Sample Comments
FS01	S	5/13/25	1301	4'	C	1		✓	✓	✓	
FS02	S	5/13/25	1304	4'	C	1		✓	✓	✓	
FS03	S	5/13/25	1525	4'	C	1		✓	✓	✓	
FS05	S	5/13/25	1531	2'	C	1		✓	✓	✓	
FS06	S	5/13/25	1534	2'	C	1		✓	✓	✓	
FS07	S	5/13/25	1537	2'	C	1		✓	✓	✓	
FS08	S	5/13/25	1541	2'	C	1		✓	✓	✓	
FS09	S	5/13/25	1544	2'	C	1		✓	✓	✓	
FS10	S	5/13/25	1546	2'	C	1		✓	✓	✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9:03 5/14			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

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

Login Number: 8155
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Number: 8155
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/14/25 08:52 PM

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	

eurofins | 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

See page two for job notes and contact information.

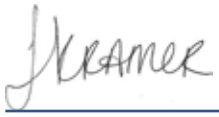
Eurofins Carlsbad

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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: MOC Lobo

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

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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	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

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
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

Case Narrative

Client: Ensolum
Project: MOC Lobo

Job ID: 890-8188-1

Job ID: 890-8188-1 Eurofins Carlsbad

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 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

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

Receipt
The samples were received on 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, re-extraction 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
Project: MOC Lobo

Job ID: 890-8188-1

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

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 11

Lab Sample ID: 890-8188-1
Matrix: Solid
Date Collected: 05/19/25 11:10
Date Received: 05/20/25 08:37
Sample Depth: 2

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

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 Range Organics (DRO) (GC)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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**	**J B**	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**	**J B**	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 Chromatography - 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

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

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		05/21/25 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)	*110*		*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*

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 14

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

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

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		05/20/25 16:37	05/23/25 13:05	1
Diesel Range Organics (Over C10-C28)	**18.0**	**J B**	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**	**J B**	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-Terphenyl	*120*		*70 - 130*	*05/20/25 16:37*	*05/23/25 13:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - 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

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

Method: SW846 8021B - Volatile Organic Compounds (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 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*

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 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/20/25 16:37	05/23/25 13:21	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 13:21	1
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*

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 15

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

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

Surrogate	*%Recovery*	*Qualifier*	*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, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**457**		10.1	0.397	mg/Kg			05/22/25 02:21	1

Client Sample ID: FS 16

Lab Sample ID: 890-8188-4
Matrix: Solid
Date Collected: 05/19/25 12:45
Date Received: 05/20/25 08:37
Sample Depth: 0.5

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		05/21/25 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 (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/20/25 16:37	05/23/25 13:37	1
Diesel Range Organics (Over C10-C28)	**16.3**	**J B**	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 13:37	1
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**	**J B**	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 - Anions, Ion Chromatography - 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

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 19

Lab Sample ID: 890-8188-5
Matrix: Solid
Date Collected: 05/19/25 12:53
Date Received: 05/20/25 08:37
Sample Depth: 0.5

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

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)	*111*		*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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**15.4**	**J**	49.9	15.1	mg/Kg			05/23/25 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		05/20/25 16:37	05/23/25 13:52	1
Diesel Range Organics (Over C10-C28)	**15.4**	**J B**	49.9	15.1	mg/Kg		05/20/25 16:37	05/23/25 13:52	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		05/20/25 16:37	05/23/25 13:52	1
Total TPH	**15.4**	**J B**	49.9	15.1	mg/Kg		05/20/25 16:37	05/23/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/20/25 16:37*	*05/23/25 13:52*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/20/25 16:37*	*05/23/25 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**432**		9.92	0.392	mg/Kg			05/22/25 02:35	1

Client Sample ID: FS 20

Lab Sample ID: 890-8188-6
Matrix: Solid
Date Collected: 05/19/25 12:56
Date Received: 05/20/25 08:37
Sample Depth: 0.5

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

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*

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 20

Lab Sample ID: 890-8188-6
Matrix: Solid
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 - Diesel Range Organics (DRO) (GC)

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		05/20/25 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 Chromatography - 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

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

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

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.7**	**J**	49.8	15.1	mg/Kg			05/23/25 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/20/25 16:37	05/23/25 14:25	1
Diesel Range Organics (Over C10-C28)	**20.7**	**J B**	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:25	1
Total TPH	**20.7**	**J B**	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/20/25 16:37*	*05/23/25 14:25*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 21

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

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

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, Ion Chromatography - Soluble

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
Matrix: Solid
Date Collected: 05/19/25 13:02
Date Received: 05/20/25 08:37
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 - 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 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/20/25 16:37	05/23/25 14:41	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:41	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:41	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 14:41	1

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

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

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: SW 01

Lab Sample ID: 890-8188-9
Matrix: Solid
Date Collected: 05/19/25 14:04
Date Received: 05/20/25 08:37
Sample Depth: 0-4

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

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 Organics (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

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

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		05/20/25 16:37	05/23/25 14:57	1
Diesel Range Organics (Over C10-C28)	**15.2**	**J B**	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**	**J B**	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 Chromatography - 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

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

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)	*116*		*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*

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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

Method: SW846 8021B - Volatile Organic Compounds (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 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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.3**	**J**	49.7	15.0	mg/Kg			05/23/25 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		05/20/25 16:37	05/23/25 15:28	1
Diesel Range Organics (Over C10-C28)	**16.3**	**J B**	49.7	15.0	mg/Kg		05/20/25 16:37	05/23/25 15:28	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		05/20/25 16:37	05/23/25 15:28	1
Total TPH	**16.3**	**J B**	49.7	15.0	mg/Kg		05/20/25 16:37	05/23/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/20/25 16:37*	*05/23/25 15:28*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

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

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*115*		*70 - 130*	*05/20/25 16:37*	*05/23/25 15:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		10.1	0.399	mg/Kg			05/22/25 00:40	1

Client Sample ID: FS 26

Lab Sample ID: 890-8188-12
Matrix: Solid
Date Collected: 05/19/25 15:32
Date Received: 05/20/25 08:37
Sample Depth: 1

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

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 18:52	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		05/21/25 09:45	05/21/25 18:52	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		05/21/25 09:45	05/21/25 18:52	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		05/21/25 09:45	05/21/25 18:52	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		05/21/25 09:45	05/21/25 18:52	1
Xylenes, Total	<0.00229	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 (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/20/25 16:37	05/23/25 15:44	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 15:44	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/20/25 16:37	05/23/25 15:44	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*	*Qualifier*	*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, Ion Chromatography - 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

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 28

Lab Sample ID: 890-8188-13
Matrix: Solid
Date Collected: 05/19/25 15:37
Date Received: 05/20/25 08:37
Sample Depth: 1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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 Chromatography - 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
Matrix: Solid
Date Collected: 05/19/25 15:40
Date Received: 05/20/25 08:37
Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (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 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)	*113*		*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*

Client Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 29

Date Collected: 05/19/25 15:40
Date Received: 05/20/25 08:37
Sample Depth: 3

Lab Sample ID: 890-8188-14

Matrix: Solid

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			05/24/25 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.2**		9.94	0.393	mg/Kg			05/22/25 01:01	1

Surrogate Summary

Client: Ensolum
Project/Site: MOC Lobo

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8187-A-41-C MS	Matrix Spike	105	99
890-8187-A-41-D MSD	Matrix Spike Duplicate	104	96
890-8188-1	FS 11	99	80
890-8188-2	FS 14	110	82
890-8188-3	FS 15	103	82
890-8188-4	FS 16	109	79
890-8188-5	FS 19	111	78
890-8188-6	FS 20	114	79
890-8188-7	FS 21	107	78
890-8188-8	FS 22	113	78
890-8188-9	SW 01	110	80
890-8188-10	SW 02	116	79
890-8188-11	FS 23	116	73
890-8188-12	FS 26	105	78
890-8188-13	FS 28	111	79
890-8188-14	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

Surrogate Legend

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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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
Project/Site: MOC Lobo

Job ID: 890-8188-1
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)								
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

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08816		mg/Kg		88	70 - 130
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

Surrogate	*LCS %Recovery*	*LCS 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08938		mg/Kg		89	70 - 130	1	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	3	35
o-Xylene	0.100	0.09547		mg/Kg		95	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08443		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.07632		mg/Kg		76	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

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

Lab Sample ID: 890-8187-A-41-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110572 — **Prep Batch: 110587**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-8187-A-41-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110572 — **Prep Batch: 110587**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.08170		mg/Kg		82	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07297		mg/Kg		73	70 - 130	4	35
Ethylbenzene	<0.00109	U F1	0.100	0.06574	F1	mg/Kg		66	70 - 130	5	35
m-Xylene & p-Xylene	<0.00228	U F1	0.200	0.1337	F1	mg/Kg		67	70 - 130	6	35
o-Xylene	<0.00158	U F1	0.100	0.06751	F1	mg/Kg		68	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD 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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110845 — **Prep Batch: 110556**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		05/20/25 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	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/20/25 16:22*	*05/24/25 02:10*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/20/25 16:22*	*05/24/25 02:10*	*1*

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**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	968.8		mg/Kg		97	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	858.4		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS 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 — **Prep Type: Total/NA**
Analysis Batch: 110845 — **Prep Batch: 110556**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	816.9		mg/Kg		82	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	738.5		mg/Kg		74	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-8187-A-21-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110845 — **Prep Batch: 110556**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	935.1		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.1	U	998	853.9		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*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 — **Prep Batch: 110556**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	908.8		mg/Kg		91	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<15.1	U	998	790.1		mg/Kg		79	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

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

Lab Sample ID: MB 880-110557/1-A
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		05/20/25 16:23	05/23/25 08:44	1
Diesel Range Organics (Over C10-C28)	15.30	J	50.0	15.1	mg/Kg		05/20/25 16:23	05/23/25 08:44	1
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

Surrogate	*MB %Recovery*	*MB Qualifier*	*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
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110557

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1115		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1055		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*146*	*S1+*	*70 - 130*
o-Terphenyl	*130*		*70 - 130*

Lab Sample ID: LCSD 880-110557/3-A
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110557

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1136		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1077		mg/Kg		108	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*142*	*S1+*	*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: 890-8187-A-40-C MS
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	996	1057		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	6100	B	996	2466	4	mg/Kg		-365	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

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

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

Lab Sample ID: 890-8187-A-40-C MS
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110557

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	164	S1+	70 - 130

Lab Sample ID: 890-8187-A-40-D MSD
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 110557

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	996	1044		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	6100	B	996	2420	4	mg/Kg		-370	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	163	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110581/1-A
Matrix: Solid
Analysis Batch: 110647

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB 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
Matrix: Solid
Analysis Batch: 110647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.8		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-110581/3-A
Matrix: Solid
Analysis Batch: 110647

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-8187-A-44-C MS
Matrix: Solid
Analysis Batch: 110647

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	160	F1	253	440.2	F1	mg/Kg		111	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	160	F1	253	433.9		mg/Kg		108	90 - 110	1	20

Lab Sample ID: MB 880-110643/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 110649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			05/21/25 23:57	1

Lab Sample ID: LCS 880-110643/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 110649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 110649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.2		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-8188-10 MS — **Client Sample ID: SW 02**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 110649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	109		252	349.7		mg/Kg		95	90 - 110

Lab Sample ID: 890-8188-10 MSD — **Client Sample ID: SW 02**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 110649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	109		252	347.4		mg/Kg		95	90 - 110	1	20

QC Association Summary

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 Batch
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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 Batch
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

QC Association Summary

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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

Lab Chronicle

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 11

Lab Sample ID: 890-8188-1
Matrix: Solid
Date Collected: 05/19/25 11:10
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 10:54
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 12:37
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Client Sample ID: FS 16

Lab Sample ID: 890-8188-4
Matrix: Solid
Date Collected: 05/19/25 12:45
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 16

Lab Sample ID: 890-8188-4
Matrix: Solid
Date Collected: 05/19/25 12:45
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 12:53
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 12:56
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 890-8188-7
Matrix: Solid
Date Collected: 05/19/25 12:59
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC Lobo

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

Client Sample ID: FS 22

Lab Sample ID: 890-8188-8
Matrix: Solid
Date Collected: 05/19/25 13:02
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 14:04
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 17:50	MNR	EET MID
Total/NA	Analysis	8015 NM		1			110973	05/23/25 14:57	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 14:57	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 03:02	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/19/25 15:22
Date Received: 05/20/25 08:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC Lobo

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Date Collected: 05/19/25 15:32
Date Received: 05/20/25 08:37

Lab Sample ID: 890-8188-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Date Collected: 05/19/25 15:37
Date Received: 05/20/25 08:37

Lab Sample ID: 890-8188-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Date Collected: 05/19/25 15:40
Date Received: 05/20/25 08:37

Lab Sample ID: 890-8188-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Ensolum
Project/Site: MOC Lobo

Job ID: 890-8188-1
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: 890-8188-1
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

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Chain of Custody

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

890-8188 Chain of Custody

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432.296.0627	Email:	jreich@ensolum.com cwright@ensolum.com kthomason@ensolum.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MOC Lobo	Turn Around	
Project Number:	03C2284007	☒ Routine ☐ Rush	
Project Location:	32.444437, -103.688210	Due Date:	
Sampler's Name:	Chris Wright	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNN06.7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.4
Total Containers:		Corrected Temperature:	5.2

ANALYSIS REQUEST

Preservative Codes
None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX	Sample Comments
FS11	S	5/19/25	1110	2'	C	1		✓	✓	✓	
FS14	S	5/19/25	1054	2'	C	1		✓	✓	✓	
FS15	S	5/19/25	1237	0.5'	C	1		✓	✓	✓	
FS16	S	5/19/25	1245	0.5'	C	1		✓	✓	✓	
FS19	S	5/19/25	1253	0.5'	C	1		✓	✓	✓	
FS20	S	5/19/25	1256	0.5'	C	1		✓	✓	✓	
FS21	S	5/19/25	1259	0.5'	C	1		✓	✓	✓	
FS22	S	5/19/25	1302	0.5'	C	1		✓	✓	✓	
SW01	S	5/19/25	1414	0-4'	C	1		✓	✓	✓	
SW02	S	5/19/25	1420	0-3'	C	1		✓	✓	✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Chris Wright	alicia	8:37 5/20	Stacy Bush		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432.296.0627	Email:	jreich@ensolum.com cwright@ensolum.com kthomason@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	MOC Lobo	Turn Around	☒ Routine ☐ Rush
Project Number:	03C2284007	Due Date:	
Project Location:	32.444437, -103.688210	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Chris Wright		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES	TPH	BTEX	Sample Comments
FS23	S	5/19/25	1522	1'	C	1		✓	✓	✓	
FS26	S	5/19/25	1532	1'	C	1		✓	✓	✓	
FS28	S	5/19/25	1537	1'	C	1		✓	✓	✓	
FS29	S	5/19/25	1540	3'	C	1		✓	✓	✓	

CPW

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8:37 5/20	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

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

Login Number: 8188
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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: 890-8188-1
SDG Number: 03C2284007

Login Number: 8188
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/21/25 07:59 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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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

See page two for job notes and contact information.

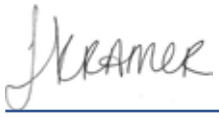
Eurofins Carlsbad

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

Client: Ensolum
Project/Site: MOC LOBO

Laboratory Job ID: 890-8192-1
SDG: 03C2284007

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-8192-1
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	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
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

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
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

Case Narrative

Client: Ensolum
Project: MOC LOBO

Job ID: 890-8192-1

Job ID: 890-8192-1 Eurofins Carlsbad

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 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

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

Receipt
The samples were received on 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.

Eurofins Carlsbad

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.

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 04

Lab Sample ID: 890-8192-1
Matrix: Solid

Date Collected: 05/20/25 12:02
Date Received: 05/21/25 08:02
Sample Depth: 4

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		05/22/25 10:22	05/22/25 12:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/22/25 10:22	05/22/25 12:13	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/22/25 10:22	05/22/25 12:13	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		05/22/25 10:22	05/22/25 12:13	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/22/25 10:22	05/22/25 12:13	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		05/22/25 10:22	05/22/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/22/25 10:22*	*05/22/25 12:13*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/22/25 10:22*	*05/22/25 12:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**32.7**	**J**	50.0	15.1	mg/Kg			05/22/25 18:39	1

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

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 16:38	05/22/25 18:39	1
Diesel Range Organics (Over C10-C28)	**32.7**	**J B**	50.0	15.1	mg/Kg		05/21/25 16:38	05/22/25 18:39	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		05/21/25 16:38	05/22/25 18:39	1
Total TPH	**32.7**	**J B**	50.0	15.1	mg/Kg		05/21/25 16:38	05/22/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*05/21/25 16:38*	*05/22/25 18:39*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/21/25 16:38*	*05/22/25 18:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - 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

Client Sample ID: FS 17

Lab Sample ID: 890-8192-2
Matrix: Solid

Date Collected: 05/20/25 12:04
Date Received: 05/21/25 08:02
Sample Depth: 2

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

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*

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 17

Date Collected: 05/20/25 12:04
Date Received: 05/21/25 08:02
Sample Depth: 2

Lab Sample ID: 890-8192-2

Matrix: Solid

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	mg/Kg			05/22/25 19:24	1

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

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 16:38	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**	**J B**	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 Chromatography - 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
Date Received: 05/21/25 08:02
Sample Depth: 4

Lab Sample ID: 890-8192-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.3**	**J**	49.9	15.1	mg/Kg			05/22/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		05/21/25 16:38	05/22/25 19:39	1
Diesel Range Organics (Over C10-C28)	**30.3**	**J B**	49.9	15.1	mg/Kg		05/21/25 16:38	05/22/25 19:39	1
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**	**J B**	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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 12

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 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

Lab Sample ID: 890-8192-4
Matrix: Solid
Date Collected: 05/20/25 12:17
Date Received: 05/21/25 08:02
Sample Depth: 4

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		05/22/25 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*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/22/25 10:22*	*05/22/25 13:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**29.0**	**J**	49.8	15.1	mg/Kg			05/22/25 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/21/25 16:38	05/22/25 19:54	1
Diesel Range Organics (Over C10-C28)	**29.0**	**J B**	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 19:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 19:54	1
Total TPH	**29.0**	**J B**	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 19:54	1

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	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**872**		9.90	0.391	mg/Kg			05/22/25 13:03	1

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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
Sample Depth: 1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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**	**J B**	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**	**J B**	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 Chromatography - Soluble

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

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		05/22/25 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*

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

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

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

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 16:38	05/22/25 20:24	1
Diesel Range Organics (Over C10-C28)	**27.7**	**J B**	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**	**J B**	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

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

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 - Diesel Range Organics (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

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

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 16:38	05/22/25 20:39	1
Diesel Range Organics (Over C10-C28)	**26.7**	**J B**	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**	**J B**	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*

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Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

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

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*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		9.92	0.392	mg/Kg			05/22/25 13:37	1

Client Sample ID: FS 31

Lab Sample ID: 890-8192-8
Matrix: Solid
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	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**	**J**	49.8	15.1	mg/Kg			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 (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		05/21/25 16:38	05/22/25 20:53	1
Diesel Range Organics (Over C10-C28)	**23.9**	**J B**	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 20:53	1
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**	**J B**	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-Terphenyl	*125*		*70 - 130*	*05/21/25 16:38*	*05/22/25 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - 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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 32

Lab Sample ID: 890-8192-9
Matrix: Solid
Date Collected: 05/20/25 14:38
Date Received: 05/21/25 08:02
Sample Depth: 2.5

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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**	**J B**	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**	**J B**	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 Chromatography - 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

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

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*

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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
Matrix: Solid
Date Collected: 05/20/25 14:24
Date Received: 05/21/25 08:02
Sample Depth: 4

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		05/22/25 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*

Method: SW846 8015 NM - Diesel Range Organics (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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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**	**J B**	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 21:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 21:54	1
Total TPH	**24.1**	**J B**	49.8	15.1	mg/Kg		05/21/25 16:38	05/22/25 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*05/21/25 16:38*	*05/22/25 21:54*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 36

Lab Sample ID: 890-8192-11
Matrix: Solid
Date Collected: 05/20/25 14:24
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	*134*	*S1+*	*70 - 130*	*05/21/25 16:38*	*05/22/25 21:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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
Matrix: Solid
Date Collected: 05/20/25 14:20
Date Received: 05/21/25 08:02
Sample Depth: 4

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

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 (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		05/22/25 15:47	05/23/25 19:20	1
Diesel Range Organics (Over C10-C28)	**29.7**	**J B**	49.9	15.1	mg/Kg		05/22/25 15:47	05/23/25 19:20	1
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**	**J B**	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-Terphenyl	*134*	*S1+*	*70 - 130*	*05/22/25 15:47*	*05/23/25 19:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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
Sample Depth: 2.5

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

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 - 130*	*05/22/25 10:22*	*05/22/25 18:38*	*1*

Method: SW846 8015 NM - Diesel Range Organics (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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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**	**J B**	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**	**J B**	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 Chromatography - 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
Matrix: Solid
Date Collected: 05/20/25 16:18
Date Received: 05/21/25 08:02
Sample Depth: 2.5

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

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*

Client Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 39

Date Collected: 05/20/25 16:18
Date Received: 05/21/25 08:02
Sample Depth: 2.5

Lab Sample ID: 890-8192-14

Matrix: Solid

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

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

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

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		05/22/25 15:47	05/23/25 20:20	1
Diesel Range Organics (Over C10-C28)	**23.7**	**J B**	50.0	15.1	mg/Kg		05/22/25 15:47	05/23/25 20:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		05/22/25 15:47	05/23/25 20:20	1
Total TPH	**23.7**	**J B**	50.0	15.1	mg/Kg		05/22/25 15:47	05/23/25 20:20	1

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*

Method: EPA 300.0 - Anions, Ion Chromatography - 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

Surrogate Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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

Surrogate Legend

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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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
890-8192-4	FS 13	128	132 S1+
890-8192-5	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
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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
Prep Batch: 110708

Analyte	MB Result	MB 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 11:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/22/25 10:22	05/22/25 11:52	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/22/25 10:22	05/22/25 11:52	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		05/22/25 10:22	05/22/25 11:52	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/22/25 10:22	05/22/25 11:52	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		05/22/25 10:22	05/22/25 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		

Surrogate	*LCS %Recovery*	*LCS 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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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		

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

Lab Sample ID: 890-8192-1 MS
Matrix: Solid
Analysis Batch: 110692

Client Sample ID: FS 04
Prep Type: Total/NA
Prep Batch: 110708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-8192-1 MSD
Matrix: Solid
Analysis Batch: 110692

Client Sample ID: FS 04
Prep Type: Total/NA
Prep Batch: 110708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-110664/1-A
Matrix: Solid
Analysis Batch: 110739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110664

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/21/25 16:15*	*05/22/25 17:53*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/21/25 16:15*	*05/22/25 17:53*	*1*

Lab Sample ID: LCS 880-110664/2-A
Matrix: Solid
Analysis Batch: 110739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	1039		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS 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 — **Prep Type: Total/NA**
Analysis Batch: 110739 — **Prep Batch: 110664**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1048		mg/Kg		105	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1044		mg/Kg		104	70 - 130	0	20

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

Lab Sample ID: 890-8192-1 MS — **Client Sample ID: FS 04**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110739 — **Prep Batch: 110664**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	1006		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	32.7	J B	998	967.0		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*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**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	1007		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	32.7	J B	998	964.3		mg/Kg		93	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*145*	*S1+*	*70 - 130*
o-Terphenyl	*134*	*S1+*	*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		05/22/25 15:47	05/23/25 18:35	1
Diesel Range Organics (Over C10-C28)	19.22	J	50.0	15.1	mg/Kg		05/22/25 15:47	05/23/25 18:35	1
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

Surrogate	*MB %Recovery*	*MB Qualifier*	*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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1182		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1121		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS 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: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110775

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1208		mg/Kg		121	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1126		mg/Kg		113	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	969.3		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	29.7	J B	999	958.1		mg/Kg		93	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

Lab Sample ID: 890-8192-12 MS
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: FS 37
Prep Type: Total/NA
Prep Batch: 110775

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

Lab Sample ID: 890-8192-12 MSD
Matrix: Solid
Analysis Batch: 110847

Client Sample ID: FS 37
Prep Type: Total/NA
Prep Batch: 110775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	963.7		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	29.7	J B	999	971.9		mg/Kg		94	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: MB 880-110795/1-A
Matrix: Solid
Analysis Batch: 110819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.94	J	50.0	14.5	mg/Kg		05/23/25 08:40	05/23/25 07:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		05/23/25 08:40	05/23/25 07:09	1
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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	05/23/25 08:40	05/23/25 07:09	1
o-Terphenyl	74		70 - 130	05/23/25 08:40	05/23/25 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.6		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

Lab Sample ID: LCSD 880-110795/3-A
Matrix: Solid
Analysis Batch: 110819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110795

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1102		mg/Kg		110	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1177		mg/Kg		118	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	996	685.7	F1	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	996	777.0		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			05/22/25 10:40	1

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-110650/2-A
Matrix: Solid
Analysis Batch: 110702

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.3		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-110650/3-A
Matrix: Solid
Analysis Batch: 110702

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	261.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-8192-2 MS
Matrix: Solid
Analysis Batch: 110702

Client Sample ID: FS 17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	504		248	753.5		mg/Kg		101	90 - 110		

Lab Sample ID: 890-8192-2 MSD
Matrix: Solid
Analysis Batch: 110702

Client Sample ID: FS 17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	504		248	749.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-110652/1-A
Matrix: Solid
Analysis Batch: 110710

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			05/22/25 13:24	1

Lab Sample ID: LCS 880-110652/2-A
Matrix: Solid
Analysis Batch: 110710

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.3		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-110652/3-A
Matrix: Solid
Analysis Batch: 110710

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8192-12 MS
Matrix: Solid
Analysis Batch: 110710

Client Sample ID: FS 37
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4780	F1	1250	6258	F1	mg/Kg		118	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8192-12 MSD
Matrix: Solid
Analysis Batch: 110710

Client Sample ID: FS 37
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4780	F1	1250	6273	F1	mg/Kg		119	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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 Batch
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8192-10	FS 35	Total/NA	Solid	8015NM Prep	
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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	

QC Association Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 — **Matrix: Solid**
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Client Sample ID: FS 13 — Lab Sample ID: 890-8192-4

Date Collected: 05/20/25 12:17 — **Matrix: Solid**
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 13

Lab Sample ID: 890-8192-4
Matrix: Solid
Date Collected: 05/20/25 12:17
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/20/25 13:55
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/20/25 14:30
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Client Sample ID: FS 31

Lab Sample ID: 890-8192-8
Matrix: Solid
Date Collected: 05/20/25 14:35
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 890-8192-9
Matrix: Solid
Date Collected: 05/20/25 14:38
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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 14:57	EL	EET MID
Total/NA	Analysis	8015 NM		1			110813	05/22/25 21:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 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 21:08	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110650	05/21/25 16:11	SA	EET MID
Soluble	Analysis	300.0		1			110702	05/22/25 13:51	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Collected: 05/20/25 14:24
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 05/20/25 16:12
Matrix: Solid
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
Matrix: Solid
Date Received: 05/21/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
SDG: 03C2284007

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Total TPH

Method Summary

Client: Ensolum
Project/Site: MOC LOBO

Job ID: 890-8192-1
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

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Chain of Custody

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

890-8192 Chain of Custody

Page 2 of 2

Project Manager:	Jeremy Reich	Bill to: (if different)	Connor Walker
Company Name:	Ensolum, LLC	Company Name:	Mewbourne
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com; Cwalker@mewbourne.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Jbroom@mewbourne.com; Crosendo@mewbourne.com; bmolander@mewbourne.com

Project Name:	MOC Lobo	Turn Around	☐ Routine ☑ Rush
Project Number:	03C2284007	Due Date:	72-hrs
Project Location:	32.444437, -103.688210	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Alex Ferrell		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAMB07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.0
Total Containers:		Corrected Temperature:	5.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX	Sample Comments
FS04		5/20/2025	1202	4	Comp	1		X	X	X	
FS17		5/20/2025	1204	2	Comp	1		X	X	X	
FS12		5/20/2025	1214	4	Comp	1		X	X	X	
FS13		5/20/2025	1217	4	Comp	1		X	X	X	
FS25		5/20/2025	1224	1	Comp	1		X	X	X	
FS30		5/20/2025	1355	1	Comp	1		X	X	X	
FS18		5/20/2025	1430	3	Comp	1		X	X	X	
FS31		5/20/2025	1435	2.5	Comp	1		X	X	X	
FS32		5/20/2025	1438	2.5	Comp	1		X	X	X	
FS35		5/20/2025	1427	2.5	Comp	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/21 8:02	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Jeremy Reich	Bill to: (if different)	Connor Walker
Company Name:	Ensolum, LLC	Company Name:	Mewbourne
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com; Cwalker@mewbourne.com

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Jbroom@mewbourne.com; Crosendo@mewbourne.com; bmolander@mewbourne.com

Project Name:	MOC Lobo	**Turn Around**	
Project Number:	03C2284007	☐ Routine ☑ Rush	
Project Location:	32.444437, -103.688210	Due Date:	72-hrs
Sampler's Name:	Alex Ferrell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX	Sample Comments
FS36		5/20/2025	1424	4	Comp	1		X	X	X	
FS37		5/20/2025	1420	4	Comp	1		X	X	X	
FS34		5/20/2025	1612	2.5	Comp	1		X	X	X	
FS39		5/20/2025	1618	2.5	Comp	1		X	X	X	

AC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9:02 7/28			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8192-1
SDG Number: 03C2284007

Login Number: 8192
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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: 890-8192-1
SDG Number: 03C2284007

Login Number: 8192
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS

Action 487267

QUESTIONS

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

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.*

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

QUESTIONS (continued)

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. gas only) are to be submitted on the C-129 form.

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 02/28/2025

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Phone: (505) 476-3441

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

QUESTIONS (continued)

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

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 and 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 plan approval with this submission	Yes
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 vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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 will the remediation commence	03/24/2025
On what date will (or did) the final sampling or liner inspection occur	06/12/2025
On what date will (or was) the remediation complete(d)	06/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	6125
What is the estimated volume (in cubic yards) that will be reclaimed	530
What is the estimated surface area (in square feet) that will be remediated	6125
What is the estimated volume (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.	

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

QUESTIONS (continued)

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

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.	
I hereby agree and sign off to the above statement	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.	

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QUESTIONS (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

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

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 (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 remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**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.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/22/2025

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

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)

CONDITIONS

Created By	Condition	Condition 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