



March 14, 2023

New Mexico Oil Conservation Division

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

**Re: Closure Request
Dominator 25 Federal CTB
Incident Number NAPP2236337962
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document initial assessment, remediation, and soil sampling activities performed at the Dominator 25 Federal CTB (Site; Figure 1). The purpose of the soil sampling activities was to assess for the presence or absence of impacted soil following a release of produced water. Based on Site assessment, excavation activities, and laboratory analytical results, COG is requesting closure for Incident Number NAPP2236337962.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 25, Township 25 South, Range 33 East, in Lea County, New Mexico (32.0951°, -103.5314°) and is associated with oil and gas exploration and production operations on federally owned surface managed by the Bureau of Land Management (BLM).

On December 16, 2022, an open valve on a water truck caused a release of approximately 5.04 barrels (bbls) of produced water onto the pad surface. The water truck that caused the release recovered approximately 5 bbls of free-standing fluids. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141; Appendix A) on December 29, 2022. The release was assigned Incident Number NAPP2236337962.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Based on a desktop review of regional hydrogeologic data, depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest available groundwater well data. The closest permitted groundwater well with depth to groundwater data is

New Mexico Office the State Engineer (NMOSE) permitted well C-02313, located approximately 5,273 feet west of the Site. The groundwater well has a reported depth to groundwater of 110 feet bgs. Ground surface elevation at the groundwater well location is 3,323 feet above mean sea level (amsl), which is approximately 17 feet lower in elevation than the Site. Nearby water wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 14,277 feet north of the Site. In addition, an emergent wetland is located approximately 3,690 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

INITIAL SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On December 28, 2022, Ensolum evaluated the release based on information provided on the Form C-141 and visual observations. Onsite personnel documented the release and mapped the release extent (Figure 2). Ensolum collected preliminary soil samples SS01 through SS05 within and around the observed release area in each cardinal direction from a depth of approximately 0.5 feet bgs. Soil sample SS01 was collected within the release extent to characterize surficial soil. Soil samples SS02 through SS05 were collected outside the release extent to assess the lateral extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Appendix C.

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

Laboratory analytical results for soil sample SS01 indicated all COC concentrations were compliant with the Site Closure Criteria. Due to staining within the release area, additional remediation efforts appeared warranted. Laboratory analytical results for soil samples SS02 through SS05 indicated all COCs were compliant with the most stringent Table I Closure Criteria and successfully defined the lateral extent of the release. As such, excavation within the release extent appeared warranted to remove surficial staining.

EXCAVATION ACTIVITIES

On January 11, 2023, Ensolum oversaw the excavation of waste-containing soil from the release extent as indicated by visible staining and laboratory analytical results from preliminary soil sample SS01. Excavation activities were performed via back-hoe to depths ranging from 0.5-feet to 1-foot bgs. To direct excavation activities, soil was field screened for VOCs and chloride as described above. Photographic documentation of excavation activities is included in Appendix C.

Following removal of stained soil, 5-point composite soil samples were collected every 200 square feet from the excavation floor. Due to the shallow depth of the excavation, soil from the sidewalls were incorporated into the floor samples. Excavation composite soil samples FS01 through FS03 were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The excavation soil samples were handled and analyzed as previously described. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

The total areal extent of the excavation was approximately 600 square feet. A total of approximately 15 cubic yards of soil were removed during the excavation, transported, and properly disposed of at R360 Environmental Solutions in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation confirmation soil samples FS01 through FS03 indicated all COC concentrations were compliant with the Site Closure Criteria and the most stringent Table I Closure Criteria, confirming waste-containing soil was properly removed. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Based on laboratory analytical results for final excavation confirmation soil samples FS01 through FS03, excavation activities have removed residual produced water at the Site. Soil samples SS02 through SS05, collected outside the release extent, provide additional evidence produced water did not migrate beyond the visually observed release extent. COG believes these remedial actions have been protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2236337962. The Final C-141 is included in Appendix A.

COG Operating, LLC
Closure Request
Dominator 25 Federal CTB

March 14, 2023

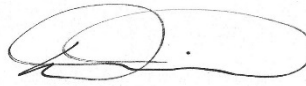
Page 4

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC



Josh Adams, PG
Project Geologist



Daniel R. Moir, PG
Senior Managing Geologist

cc: Charles Beauvais, COG Operating, LLC
Bureau of Land Management

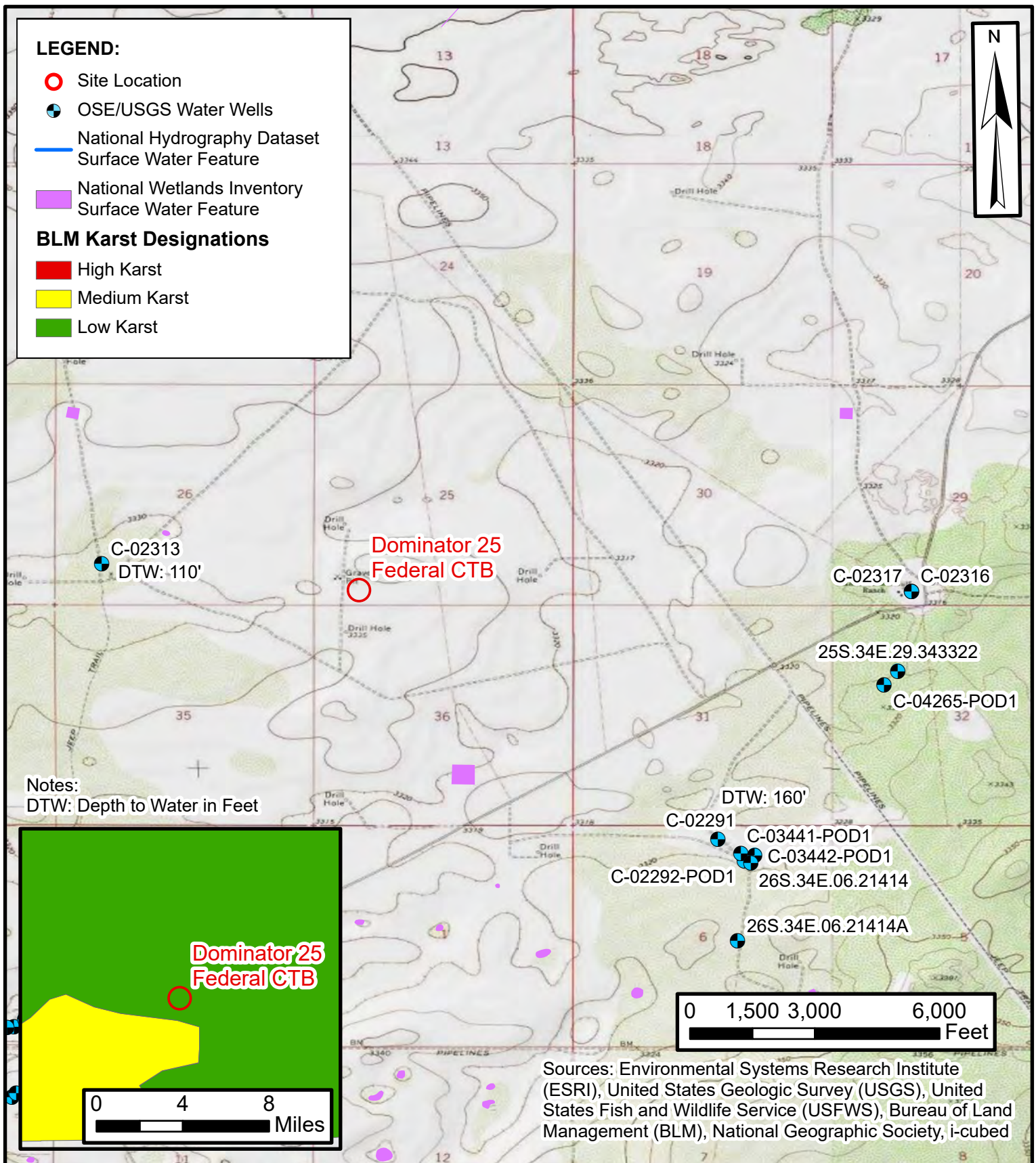
Attachments:

| | |
|------------|-----------------------------------|
| Figure 1 | Site Location Map |
| Figure 2 | Preliminary Soil Sample Locations |
| Figure 3 | Excavation Soil Sample Locations |
| Table 1 | Soil Sample Analytical Results |
| Appendix A | Final C-141 |
| Appendix B | Referenced Well Records |
| Appendix C | Photographic Log |
| Appendix D | Laboratory Analytical Reports |





FIGURES



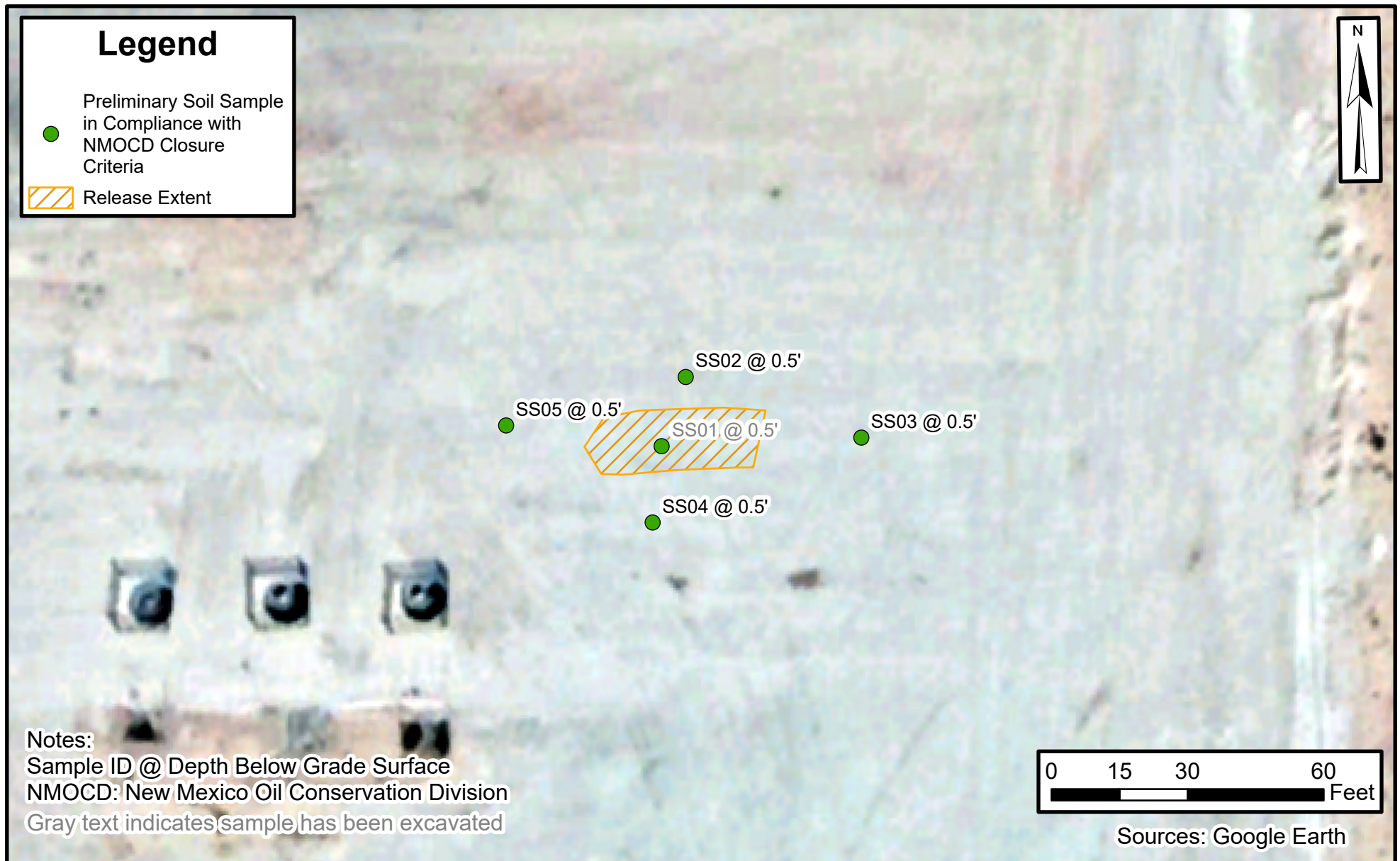
SITE LOCATION MAP

COG Operating, LLC
Dominator 25 Federal CTB
Incident Number: NAPP2236337962
Unit M, Sec 25, T25S, R33E
Lea County, New Mexico

FIGURE

1

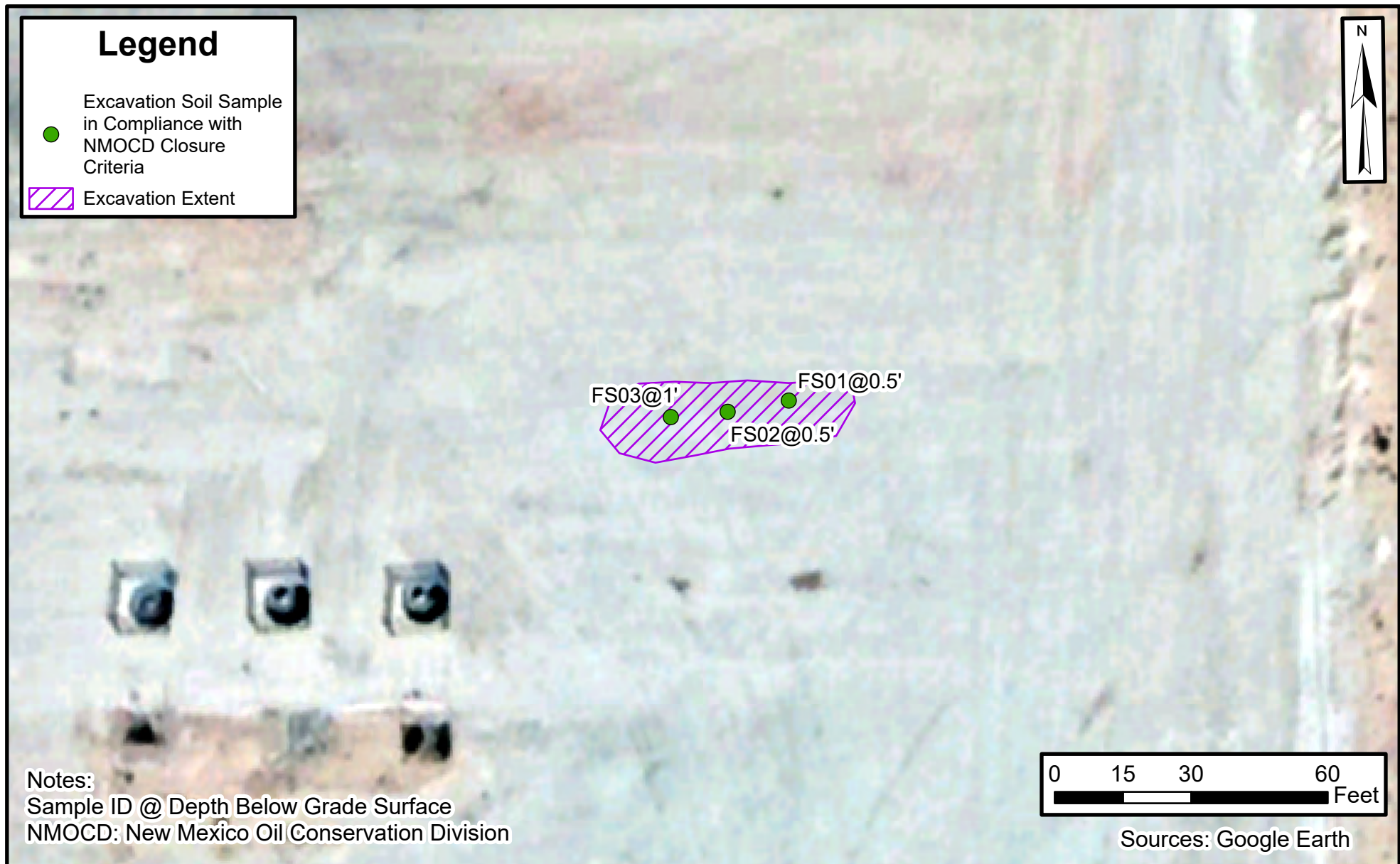
ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants



Preliminary Soil Sample Locations

COG Operating, LLC
Dominator 25 Federal CTB
Incident Number: NAPP2236337962
Unit M, Sec 25, T25S, R33E
Lea County, New Mexico

FIGURE
2



Excavation Soil Samples

COG Operating, LLC
Dominator 25 Federal CTB
Incident Number: NAPP2236337962
Unit M, Sec 25, T25S, R33E
Lea County, New Mexico

FIGURE
3



TABLE



| TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Dominator Fed 25 Pad 1 COG Operating, LLC Lea County, New Mexico | | | | | | | | | | |
|---|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 10,000 |
| Preliminary Assessment Soil Samples | | | | | | | | | | |
| SS01 | 12/28/2022 | 0.5 | <0.00200 | <0.00399 | <49.9 | 140 | <49.9 | 140 | 140 | 4,520 |
| SS02 | 12/28/2022 | 0.5 | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 55.1 |
| SS03 | 12/28/2022 | 0.5 | <0.00202 | <0.00403 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 56.6 |
| SS04 | 12/28/2022 | 0.5 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 33.4 |
| SS05 | 12/28/2022 | 0.5 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 44.5 |
| Excavation Soil Samples | | | | | | | | | | |
| FS01 | 1/11/2023 | 0.5 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 221 |
| FS02 | 1/11/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 229 |
| FS03 | 1/11/2023 | 1 | <0.00200 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 235 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMAC: New Mexico Administrative Code

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.**Grey** text represents samples that have been excavated



APPENDIX A

Final C141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|-------------------------|------------------------------|
| Responsible Party | OGRID |
| Contact Name | Contact Telephone |
| Contact email | Incident # (assigned by OCD) |
| Contact mailing address | |

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------|----------------------|
| Site Name | Site Type |
| Date Release Discovered | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| | | | | |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|-------------------------|
| <input type="checkbox"/> The source of the release has been stopped. | |
| <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: _____ | Title: _____ |
| Signature: <u>Patricia Espinoza</u> | Date: _____ |
| email: _____ | Telephone: _____ |
| <u>OCD Only</u> | |
| Received by: <u>Jocelyn Harimon</u> | Date: <u>12/29/2022</u> |

| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Average Depth (in.) | On/Off Pad (dropdown) | Soil Spilled-Fluid Saturation (%) | Estimated volume of each area (bbl.) | NAPP2236337962 Total Estimated Volume of Spill (bbl.) |
|---|--------------|-------------|---------------------|-----------------------|-----------------------------------|--------------------------------------|--|
| Rectangle A | 25.0 | 8.0 | 0.1 | On-Pad | 10.50% | 0.37 | 0.04 |
| Rectangle B | | | | | | 0.00 | |
| Rectangle C | | | | | | 0.00 | |
| Rectangle D | | | | | | 0.00 | |
| Rectangle E | | | | | | 0.00 | |
| Rectangle F | | | | | | 0.00 | |
| Rectangle G | | | | | | 0.00 | |
| Rectangle H | | | | | | 0.00 | |
| Rectangle I | | | | | | 0.00 | |
| Rectangle J | | | | | | 0.00 | |
| Total Subsurface Volume Released: | | | | | | | 0.0389 |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 171036

CONDITIONS

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 171036 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jharimon | None | 12/29/2022 |

| | |
|----------------|----------------|
| Incident ID | NAPP2236337962 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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? | >100 ft bgs |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

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| | |
|----------------|----------------|
| Incident ID | NAPP2236337962 |
| District RP | |
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| Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Charles Beauvais Title: Senior Environmental EngineerSignature: Charles R. Beauvais Date: 3/14/2023email: Charles.R.Beauvais@conocophillips.com Telephone: 575-988-2043**OCD Only**Received by: Jocelyn Harimon Date: 03/15/2023

| | |
|----------------|----------------|
| Incident ID | NAPP2236337962 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Charles Beauvais Title: Senior Environmental Engineer

Signature: Charles R. Beauvais Date: 3/14/2023

email: Charles.R.Beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: Jocelyn Harimon Date: 03/15/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 03/22/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A



APPENDIX B

Referenced Well Records



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|----------|
| | C 02313 | 2 | 3 | 3 | 26 | 25S | 33E | 636971 | 3552098* |

x

Driller License:**Driller Company:****Driller Name:** UNKNOWN**Drill Start Date:** 01/01/1925**Drill Finish Date:** 06/30/1925**Plug Date:****Log File Date:****PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:** 60 GPM**Casing Size:** 6.88**Depth Well:** 150 feet**Depth Water:** 110 feet

x

*UTM location was derived from PLSS - see Help

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

1/11/23 7:47 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320419103302201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320419103302201 26S.34E.06.21414

Lea County, New Mexico
Latitude 32°04'37.9", Longitude 103°30'20.5" NAD83
Land-surface elevation 3,319.00 feet above NGVD29
The depth of the well is 360 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

| | | | | | | | | | | | |
|------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|----------------------------------|
| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|----------------------------------|

| Date | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | level, feet above specific vertical datum | Referenced vertical datum | Status | Method of measurement | Measuring agency | Source of measurement | Water-level approval status |
|------------|-----------|--------------------------------|----------------|--------------------------------------|---|---------------------------|--------|-----------------------|------------------|-----------------------|-----------------------------|
| 1971-10-20 | | D | 62611 | | 3192.15 | NAVD88 | 1 | Z | | | A |
| 1981-03-25 | | D | 62610 | | 3189.57 | NGVD29 | 1 | Z | | | A |
| 1981-03-25 | | D | 62611 | | 3191.15 | NAVD88 | 1 | Z | | | A |
| 1981-03-25 | | D | 72019 | 129.43 | | | 1 | Z | | | A |
| 1986-03-04 | | D | 62610 | | 3193.12 | NGVD29 | 1 | Z | | | A |
| 1986-03-04 | | D | 62611 | | 3194.70 | NAVD88 | 1 | Z | | | A |
| 1986-03-04 | | D | 72019 | 125.88 | | | 1 | Z | | | A |
| 1991-06-12 | | D | 62610 | | 3192.18 | NGVD29 | 1 | Z | | | A |
| 1991-06-12 | | D | 62611 | | 3193.76 | NAVD88 | 1 | Z | | | A |
| 1991-06-12 | | D | 72019 | 126.82 | | | 1 | Z | | | A |
| 2013-01-16 | 21:00 UTC | m | 62610 | | 3142.19 | NGVD29 | 1 | S | USGS | S | A |
| 2013-01-16 | 21:00 UTC | m | 62611 | | 3143.77 | NAVD88 | 1 | S | USGS | S | A |
| 2013-01-16 | 21:00 UTC | m | 72019 | 176.81 | | | 1 | S | USGS | S | A |

| Explanation | | |
|--------------------------------|--------|---|
| Section | Code | Description |
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level date-time accuracy | m | Date is accurate to the Minute |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | S | Steel-tape measurement. |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Measuring agency | USGS | U.S. Geological Survey |
| Source of measurement | | Not determined |
| Source of measurement | S | Measured by personnel of reporting agency. |

| Section | Code | Description |
|-----------------------------|------|--|
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-01-11 09:41:41 EST

0.29 0.24 nadww02





APPENDIX C

Photographic Log



Photographic Log
 COG Operating, LLC
 Dominator 25 Federal CTB
 NAPP2236337962



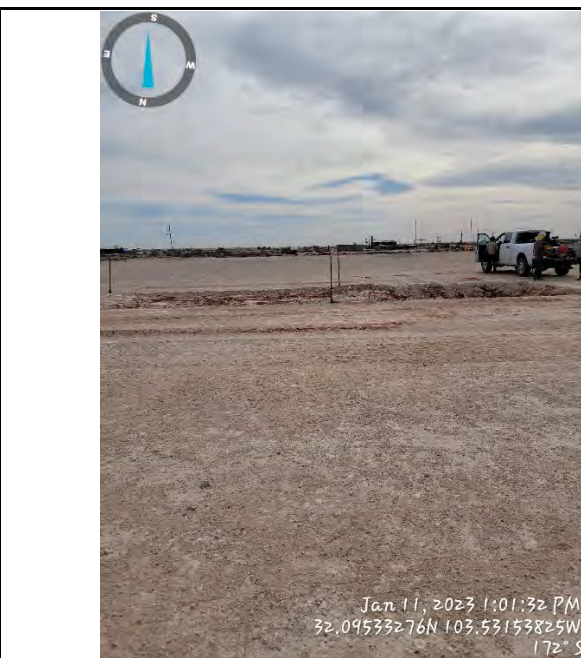
Photograph 1
 Description: Initial Release
 View: East

Date: 12/28/2022



Photograph 2
 Description: Completed Excavation
 View: Southeast

Date: 1/11/2023



Photograph 3
 Description: Completed Excavation
 View: South

Date: 1/11/2023



Photograph 4
 Description: Completed Excavation
 View: Northwest

Date: 1/11/2023



APPENDIX D

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/6/2023 12:32:42 PM

JOB DESCRIPTION

DOMINATOR FED 25 PAD 1

SDG NUMBER 03D2024136

JOB NUMBER

890-3733-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/6/2023 12:32:42 PM

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

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Laboratory Job ID: 890-3733-1
SDG: 03D2024136

Table of Contents

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3733-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

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

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Case Narrative

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

Job ID: 890-3733-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3733-1

Receipt

The sample was received on 12/30/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS01 (890-3733-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3757-A-1-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS01 (890-3733-1). 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43077 and analytical batch 880-43285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

Client Sample ID: SS01

Lab Sample ID: 890-3733-1

Date Collected: 12/28/22 10:30

Matrix: Solid

Date Received: 12/30/22 09:30

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 19:44 | 1 |
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 19:44 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/05/23 10:15 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 140 | | 49.9 | mg/Kg | | | 01/06/23 13:03 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 01:30 | 1 |
| Diesel Range Organics (Over C10-C28) | 140 | | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 01:30 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 01:30 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 138 | S1+ | 70 - 130 | 01/05/23 11:23 | 01/06/23 01:30 | 1 |
| o-Terphenyl | 126 | | 70 - 130 | 01/05/23 11:23 | 01/06/23 01:30 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 4520 | | 50.4 | mg/Kg | | | 01/06/23 09:17 | 10 |

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Surrogate Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

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) |
| 880-23150-A-21-G MS | Matrix Spike | 100 | 109 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | 99 | 107 |
| 890-3733-1 | SS01 | 111 | 108 |
| LCS 880-43114/1-A | Lab Control Sample | 103 | 110 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | 96 | 105 |
| MB 880-43114/5-A | Method Blank | 97 | 107 |
| 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) |
| 890-3733-1 | SS01 | 138 S1+ | 126 |
| 890-3757-A-1-C MS | Matrix Spike | 112 | 85 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | 114 | 88 |
| LCS 880-43251/2-A | Lab Control Sample | 104 | 98 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | 118 | 110 |
| MB 880-43251/1-A | Method Blank | 113 | 109 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

Lab Sample ID: LCS 880-43114/1-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.09910 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09831 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2028 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.09740 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-43114/2-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100 | 0.08858 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08677 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.08671 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1795 | | mg/Kg | | 90 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.08715 | | mg/Kg | | 87 | 70 - 130 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00201 | U | 0.101 | 0.09062 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08564 | | mg/Kg | | 85 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

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

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08624 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1768 | | mg/Kg | | 88 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08556 | | mg/Kg | | 85 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-H MSD

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0996 | 0.08738 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.0996 | 0.08362 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0996 | 0.08437 | | mg/Kg | | 85 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1737 | | mg/Kg | | 87 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.0996 | 0.08400 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43251/1-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| o-Terphenyl | 109 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.5 | | mg/Kg | | 98 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 924.6 | | mg/Kg | | 92 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

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

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 98 | | 70 - 130 |

Lab Sample ID: LCSD 880-43251/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1009 | | mg/Kg | | 101 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 999.4 | | mg/Kg | | 100 | 70 - 130 | 8 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 118 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-C MS

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 750.7 | | mg/Kg | | 70 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 885.9 | | mg/Kg | | 87 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 112 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-D MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43251

| 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 | <49.9 | U | 999 | 826.1 | | mg/Kg | | 78 | 70 - 130 | 10 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 913.9 | | mg/Kg | | 90 | 70 - 130 | 3 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 114 | | 70 - 130 |
| o-Terphenyl | 88 | | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43077/1-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/06/23 08:28 | 1 |

Lab Sample ID: LCS 880-43077/2-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 259.2 | | mg/Kg | | 104 | 90 - 110 |

Lab Sample ID: LCSD 880-43077/3-A

Matrix: Solid

Analysis Batch: 43285

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 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |

Lab Sample ID: 890-3732-A-1-E MS

Matrix: Solid

Analysis Batch: 43285

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 | 55.1 | F1 | 250 | 361.5 | F1 | mg/Kg | | 123 | 90 - 110 |

Lab Sample ID: 890-3732-A-1-F MSD

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 55.1 | F1 | 250 | 345.7 | F1 | mg/Kg | | 116 | 90 - 110 | 4 | 20 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

GC VOA

Prep Batch: 43114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | 5035 | |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | 8021B | 43114 |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 8021B | 43114 |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43114 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43114 |

Analysis Batch: 43218

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 43191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | 8015B NM | 43251 |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43251 |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43251 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43251 |

Prep Batch: 43251

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3733-1 | SS01 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3733-1 | SS01 | Soluble | Solid | DI Leach | |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

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QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

HPLC/IC (Continued)

Leach Batch: 43077 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3733-1 | SS01 | Soluble | Solid | 300.0 | 43077 |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | 300.0 | 43077 |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43077 |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43077 |

Lab Chronicle

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

Client Sample ID: SS01

Lab Sample ID: 890-3733-1

Date Collected: 12/28/22 10:30

Matrix: Solid

Date Received: 12/30/22 09:30

| 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 | 43114 | 01/04/23 08:41 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43117 | 01/04/23 19:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43218 | 01/05/23 10:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43393 | 01/06/23 13:03 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43251 | 01/05/23 11:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43191 | 01/06/23 01:30 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 43077 | 01/03/23 12:07 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 43285 | 01/06/23 09:17 | 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: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Ensolum

Job ID: 890-3733-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: DOMINATOR FED 25 PAD 1

Job ID: 890-3733-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3733-1 | SS01 | Solid | 12/28/22 10:30 | 12/30/22 09:30 | 0.5 |


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Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300
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





www.xenco.com Page 7 of 10

| Work Order Comments | |
|--|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| Project Name: | | Dominator Fed 25 Pad 1 | | Turn Around | | | |
| Project Number: | | 03D2024136 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | Pres. Code | |
| Project Location: | | 32 09511, -103.53140 | | Due Date: | | | |
| Sampler's Name: | | Kase Parker | | TAT starts the day received by the lab, if received by 4:30pm | | | |
| PO #: | | | | | | | |
| SAMPLE RECEIPT | | Temp Blank: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Wet Ice: | |
| Samples Received Intact: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Thermometer ID: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Cooler Custody Seals: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Correction Factor: | | <input checked="" type="checkbox"/> 0.0 <input type="checkbox"/> 0.8 | |
| Sample Custody Seals: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Temperature Reading: | | <input checked="" type="checkbox"/> 1.8 <input type="checkbox"/> 1.6 | |
| Total Containers: | | | | Corrected Temperature: | | <input checked="" type="checkbox"/> 1.6 <input type="checkbox"/> 1.8 | |
| Parameters | | | | | | | |
| RIDES (EPA: 300.0) | | | | | | | |
| <div> <div>3015)</div> <div>(8021</div> </div> | | | | | | | |
| ANALYSIS REQUEST | | | | | | | |
| <div> <div>890-3733 Chain of Custody</div>  </div> | | | | | | | |
| Preservative Codes | | | | | | | |
| None: NO | | DI Water: H ₂ O | | | | | |
| Cool: Cool | | MeOH: Me | | | | | |
| HCL: HC | | HNO ₃ : HN | | | | | |
| H ₂ SO ₄ : H ₂ | | NaOH: Na | | | | | |
| H ₃ PO ₄ : HP | | | | | | | |
| NaHSO ₄ : NABIS | | | | | | | |
| Na ₂ S ₂ O ₃ : NaSO ₃ | | | | | | | |
| Zn Acetate+NaOH: Zn | | | | | | | |
| NaOH+Ascorbic Acid: SAPC | | | | | | | |

[illegible]

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 |
|---|---|------------------|---|---|---------------|
|  |  | 12/15/22 9:00 am |  |  | 12.30.22 4:30 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Revised Date 08/25/2020 Rev. 2020

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3733-1

SDG Number: 03D2024136

Login Number: 3733

List Number: 1

Creator: Clifton, Cloe

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: 890-3733-1

SDG Number: 03D2024136

Login Number: 3733

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/03/23 09:51 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 | |



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/6/2023 12:32:42 PM

JOB DESCRIPTION

DOMINATOR FED 25 PAD 1

SDG NUMBER 03D2024136

JOB NUMBER

890-3732-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/6/2023 12:32:42 PM

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

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Laboratory Job ID: 890-3732-1
SDG: 03D2024136

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Definitions/Glossary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| S1- | Surrogate recovery exceeds control limits, low 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/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Job ID: 890-3732-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3732-1

Receipt

The sample was received on 12/30/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS02 (890-3732-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3757-A-1-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS02 (890-3732-1). 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43077 and analytical batch 880-43285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

| |
|----|
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Client Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Client Sample ID: SS02

Lab Sample ID: 890-3732-1

Date Collected: 12/28/22 10:35

Matrix: Solid

Date Received: 12/30/22 09:30

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 01/04/23 08:41 | 01/04/23 19:24 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 19:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 19:24 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/05/23 10:15 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 01/06/23 13:03 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/06/23 00:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/06/23 00:22 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/06/23 00:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 15 | S1- | 70 - 130 | 01/05/23 11:23 | 01/06/23 00:22 | 1 |
| o-Terphenyl | 15 | S1- | 70 - 130 | 01/05/23 11:23 | 01/06/23 00:22 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 55.1 | F1 | 5.00 | mg/Kg | | | 01/06/23 08:59 | 1 |

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Surrogate Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

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) |
| 880-23150-A-21-G MS | Matrix Spike | 100 | 109 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | 99 | 107 |
| 890-3732-1 | SS02 | 106 | 109 |
| LCS 880-43114/1-A | Lab Control Sample | 103 | 110 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | 96 | 105 |
| MB 880-43114/5-A | Method Blank | 97 | 107 |
| 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) |
| 890-3732-1 | SS02 | 15 S1- | 15 S1- |
| 890-3757-A-1-C MS | Matrix Spike | 112 | 85 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | 114 | 88 |
| LCS 880-43251/2-A | Lab Control Sample | 104 | 98 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | 118 | 110 |
| MB 880-43251/1-A | Method Blank | 113 | 109 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

Lab Sample ID: LCS 880-43114/1-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.09910 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09831 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2028 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.09740 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-43114/2-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.08858 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08677 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.08671 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1795 | | mg/Kg | | 90 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.08715 | | mg/Kg | | 87 | 70 - 130 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201 | U | 0.101 | 0.09062 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08564 | | mg/Kg | | 85 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

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

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08624 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1768 | | mg/Kg | | 88 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08556 | | mg/Kg | | 85 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-H MSD

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0996 | 0.08738 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.0996 | 0.08362 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0996 | 0.08437 | | mg/Kg | | 85 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1737 | | mg/Kg | | 87 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.0996 | 0.08400 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43251/1-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| o-Terphenyl | 109 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.5 | | mg/Kg | | 98 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 924.6 | | mg/Kg | | 92 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

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

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 98 | | 70 - 130 |

Lab Sample ID: LCSD 880-43251/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43251

| | | | Spike | LCSD | LCSD | | | | %Rec | | | |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1009 | | mg/Kg | | 101 | 70 - 130 | 3 | 20 | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 999.4 | | mg/Kg | | 100 | 70 - 130 | 8 | 20 | |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 118 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-C MS

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43251

| | Sample | Sample | Spike | MS | MS | | | | %Rec | | | |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 750.7 | | mg/Kg | | 70 | 70 - 130 | | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 885.9 | | mg/Kg | | 87 | 70 - 130 | | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 112 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-D MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43251

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | | |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 826.1 | | mg/Kg | | 78 | 70 - 130 | 10 | 20 | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 913.9 | | mg/Kg | | 90 | 70 - 130 | 3 | 20 | |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 114 | | 70 - 130 |
| o-Terphenyl | 88 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Method: 300.0 - Anions, Ion Chromatography

| | | | | | | | | | | | |
|-----------------------------------|---------------|------------------|-------------|-------------|----------------|----------|----------------|---------|-------------|--|-----------|
| Lab Sample ID: MB 880-43077/1-A | | | | | | | | | | Client Sample ID: Method Blank | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | |
| Analysis Batch: 43285 | | | | | | | | | | | |
| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | | |
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/06/23 08:28 | 1 | | | |
| Lab Sample ID: LCS 880-43077/2-A | | | | | | | | | | Client Sample ID: Lab Control Sample | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | |
| Analysis Batch: 43285 | | | | | | | | | | | |
| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
| Chloride | | | 250 | 259.2 | | mg/Kg | | 104 | 90 - 110 | | |
| Lab Sample ID: LCSD 880-43077/3-A | | | | | | | | | | Client Sample ID: Lab Control Sample Dup | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | |
| Analysis Batch: 43285 | | | | | | | | | | | |
| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride | | | 250 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |
| Lab Sample ID: 890-3732-1 MS | | | | | | | | | | Client Sample ID: SS02 | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | |
| Analysis Batch: 43285 | | | | | | | | | | | |
| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
| Chloride | 55.1 | F1 | 250 | 361.5 | F1 | mg/Kg | | 123 | 90 - 110 | | |
| Lab Sample ID: 890-3732-1 MSD | | | | | | | | | | Client Sample ID: SS02 | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | |
| Analysis Batch: 43285 | | | | | | | | | | | |
| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride | 55.1 | F1 | 250 | 345.7 | F1 | mg/Kg | | 116 | 90 - 110 | 4 | 20 |

QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

GC VOA

Prep Batch: 43114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | 5035 | |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | 8021B | 43114 |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 8021B | 43114 |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43114 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43114 |

Analysis Batch: 43217

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 43191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | 8015B NM | 43251 |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43251 |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43251 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43251 |

Prep Batch: 43251

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43392

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3732-1 | SS02 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-1 | SS02 | Soluble | Solid | DI Leach | |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

HPLC/IC (Continued)

Leach Batch: 43077 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|----------|------------|
| 890-3732-1 MS | SS02 | Soluble | Solid | DI Leach | |
| 890-3732-1 MSD | SS02 | Soluble | Solid | DI Leach | |

Analysis Batch: 43285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3732-1 | SS02 | Soluble | Solid | 300.0 | 43077 |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | 300.0 | 43077 |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43077 |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43077 |
| 890-3732-1 MS | SS02 | Soluble | Solid | 300.0 | 43077 |
| 890-3732-1 MSD | SS02 | Soluble | Solid | 300.0 | 43077 |

Lab Chronicle

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

Client Sample ID: SS02
Date Collected: 12/28/22 10:35
Date Received: 12/30/22 09:30

Lab Sample ID: 890-3732-1
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 | | | 4.98 g | 5 mL | 43114 | 01/04/23 08:41 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43117 | 01/04/23 19:24 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43217 | 01/05/23 10:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43392 | 01/06/23 13:03 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43251 | 01/05/23 11:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43191 | 01/06/23 00:22 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43077 | 01/03/23 12:07 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43285 | 01/06/23 08:59 | 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: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

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Method Summary

Client: Ensolum

Job ID: 890-3732-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: DOMINATOR FED 25 PAD 1

Job ID: 890-3732-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3732-1 | SS02 | Solid | 12/28/22 10:35 | 12/30/22 09:30 | 0.5 |

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Environment Testing
Xenco

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) 565-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199

Chain of Custody


Work Order No.:

Page www.xenco.com

of

| | | | |
|------------------|--------------------------------|-------------------------|---|
| Project Manager: | Josh Adams | Bill to: (if different) | Katei Jennings |
| Company Name: | Ensolum, LLC | Company Name: | Ensolum, LLC |
| Address: | 601 N Marientfeld St Suite 400 | Address: | 601 N Marientfeld St Suite 400 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 303-517-8437 | Email: | kjennings@ensolum.com, jadams@ensolum.com |





| Work Order Comments | | | |
|---------------------|----------------------------------|------------------------------|---|
| Program: | UST/PST <input type="checkbox"/> | PRP <input type="checkbox"/> | Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project: | | | |
| Reporting: Level II | <input type="checkbox"/> | Level III | <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables: EDD | <input type="checkbox"/> | ADAPT | <input type="checkbox"/> Other: <input type="text"/> |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--|---|---|------------------------|---|----------|---|--|--|--|--|--|--|--|--------------------|--|--|----------------------------|--|--|--|--|--|--|--|--|--|--|
| Project Name: | Dominator Fed 25 Pad 1 | | Turn Around | | Pres. Code | ANALYSIS REQUEST | | | | | | | | | | Preservative Codes | | | | | | | | | | | | | |
| Project Number: | 03D2024136 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | 32.09511, -103.53140 | | Due Date: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Name: | Kase Parker | | TAT starts the day received by the lab, if received by 4:30pm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PO #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT | | | Temp Blank: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Wet Ice: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | |
| Samples Received Intact: | Yes | | No | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooler Custody Seals: | Yes | | No | N/A | Correction Factor: | -0.0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Custody Seals: | Yes | | No | N/A | Temperature Reading: | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| Total Containers: | | | | | Corrected Temperature: | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IDES (EPA: 300.0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 015) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 890-3732 Chain of Custody | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| None: NO | | | | | | | | | | | | | | | | | | | DI Water: H ₂ O | | | | | | | | | | |
| Cool: Cool | | | | | | | | | | | | | | | | | | | MeOH: Me | | | | | | | | | | |
| HCL: HC | | | | | | | | | | | | | | | | | | | HNO ₃ : HN | | | | | | | | | | |
| H ₂ SO ₄ : H ₂ | | | | | | | | | | | | | | | | | | | NaOH: Na | | | | | | | | | | |
| H ₃ PO ₄ : HP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NaHSO ₄ : NABIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na ₂ S ₂ O ₃ : NaSO ₃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zn Acetate+NaOH: Zn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NaOH+Ascorbic Acid: SAPC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[illegible]

| Total | 200.7 / 6010 | 200.8 / 6020: |
|--|---|---|
| Circle Method(s) and Metal(s) to be analyzed | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 2470 / 7471 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xeno.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|------------------|---|--|--------------|
| 1  |  | 12/30/22 9:00 am | 2  |  | 12-30-22 9:3 |
| 3 | | 4 | | | |
| 5 | | 6 | | | |

Printed Date: 08/25/2020 Rev. 2020

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3732-1

SDG Number: 03D2024136

Login Number: 3732

List Number: 1

Creator: Clifton, Cloe

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: 890-3732-1

SDG Number: 03D2024136

Login Number: 3732

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/03/23 09:51 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 | |



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/6/2023 12:33:13 PM

JOB DESCRIPTION

DOMINATOR FED 25 PAD 1

SDG NUMBER 03D2024136

JOB NUMBER

890-3734-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/6/2023 12:33:13 PM

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

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Laboratory Job ID: 890-3734-1
SDG: 03D2024136

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3734-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| 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/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

Job ID: 890-3734-1

Laboratory: Eurofins Carlsbad

| Narrative | Job Narrative 890-3734-1 |
|-----------|-----------------------------|
|-----------|-----------------------------|

Receipt

The sample was received on 12/30/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS03 (890-3734-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3757-A-1-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS03 (890-3734-1). 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43077 and analytical batch 880-43285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

Client Sample ID: SS03

Lab Sample ID: 890-3734-1

Date Collected: 12/28/22 10:40

Matrix: Solid

Date Received: 12/30/22 09:30

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:05 | 1 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:05 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U | 0.00403 | mg/Kg | | | 01/05/23 10:15 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/06/23 13:03 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 02:12 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 02:12 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/05/23 11:23 | 01/06/23 02:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 153 | S1+ | 70 - 130 | 01/05/23 11:23 | 01/06/23 02:12 | 1 |
| o-Terphenyl | 137 | S1+ | 70 - 130 | 01/05/23 11:23 | 01/06/23 02:12 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 56.6 | | 5.03 | mg/Kg | | | 01/06/23 09:23 | 1 |

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Surrogate Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

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) |
| 880-23150-A-21-G MS | Matrix Spike | 100 | 109 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | 99 | 107 |
| 890-3734-1 | SS03 | 109 | 112 |
| LCS 880-43114/1-A | Lab Control Sample | 103 | 110 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | 96 | 105 |
| MB 880-43114/5-A | Method Blank | 97 | 107 |
| 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) |
| 890-3734-1 | SS03 | 153 S1+ | 137 S1+ |
| 890-3757-A-1-C MS | Matrix Spike | 112 | 85 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | 114 | 88 |
| LCS 880-43251/2-A | Lab Control Sample | 104 | 98 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | 118 | 110 |
| MB 880-43251/1-A | Method Blank | 113 | 109 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

Lab Sample ID: LCS 880-43114/1-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.09910 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09831 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2028 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.09740 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-43114/2-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.08858 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08677 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.08671 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1795 | | mg/Kg | | 90 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.08715 | | mg/Kg | | 87 | 70 - 130 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201 | U | 0.101 | 0.09062 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08564 | | mg/Kg | | 85 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

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

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08624 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1768 | | mg/Kg | | 88 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08556 | | mg/Kg | | 85 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-H MSD

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0996 | 0.08738 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.0996 | 0.08362 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0996 | 0.08437 | | mg/Kg | | 85 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1737 | | mg/Kg | | 87 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.0996 | 0.08400 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43251/1-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |
| o-Terphenyl | 109 | | 70 - 130 | 01/05/23 11:23 | 01/05/23 19:47 | 1 |

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.5 | | mg/Kg | | 98 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 924.6 | | mg/Kg | | 92 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

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

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 98 | | 70 - 130 |

Lab Sample ID: LCSD 880-43251/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1009 | | mg/Kg | | 101 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 999.4 | | mg/Kg | | 100 | 70 - 130 | 8 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 118 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-C MS

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43251

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 750.7 | | mg/Kg | | 70 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 885.9 | | mg/Kg | | 87 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 112 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3757-A-1-D MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43251

| 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 | <49.9 | U | 999 | 826.1 | | mg/Kg | | 78 | 70 - 130 | 10 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 913.9 | | mg/Kg | | 90 | 70 - 130 | 3 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 114 | | 70 - 130 |
| o-Terphenyl | 88 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43077/1-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/06/23 08:28 | 1 |

Lab Sample ID: LCS 880-43077/2-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 259.2 | | mg/Kg | | 104 | 90 - 110 |

Lab Sample ID: LCSD 880-43077/3-A

Matrix: Solid

Analysis Batch: 43285

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 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |

Lab Sample ID: 890-3732-A-1-E MS

Matrix: Solid

Analysis Batch: 43285

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 | 55.1 | F1 | 250 | 361.5 | F1 | mg/Kg | | 123 | 90 - 110 |

Lab Sample ID: 890-3732-A-1-F MSD

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 55.1 | F1 | 250 | 345.7 | F1 | mg/Kg | | 116 | 90 - 110 | 4 | 20 |

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QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

GC VOA

Prep Batch: 43114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | 5035 | |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | 8021B | 43114 |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 8021B | 43114 |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43114 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43114 |

Analysis Batch: 43219

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 43191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | 8015B NM | 43251 |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43251 |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43251 |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43251 |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43251 |

Prep Batch: 43251

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43251/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43251/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43251/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3757-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3734-1 | SS03 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3734-1 | SS03 | Soluble | Solid | DI Leach | |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

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QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

HPLC/IC (Continued)

Leach Batch: 43077 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3734-1 | SS03 | Soluble | Solid | 300.0 | 43077 |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | 300.0 | 43077 |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43077 |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43077 |

Lab Chronicle

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

Client Sample ID: SS03
Date Collected: 12/28/22 10:40
Date Received: 12/30/22 09:30

Lab Sample ID: 890-3734-1
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 | | | 4.96 g | 5 mL | 43114 | 01/04/23 08:41 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43117 | 01/04/23 20:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43219 | 01/05/23 10:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43394 | 01/06/23 13:03 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43251 | 01/05/23 11:23 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43191 | 01/06/23 02:12 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 43077 | 01/03/23 12:07 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43285 | 01/06/23 09:23 | 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: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ensolum

Job ID: 890-3734-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: DOMINATOR FED 25 PAD 1

Job ID: 890-3734-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3734-1 | SS03 | Solid | 12/28/22 10:40 | 12/30/22 09:30 | 0.5 |

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Environment Testing
Xenco

Chain of Custody


Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

Page 7 of 10
www.xenco.com

| | | | |
|------------------|--------------------------------|-------------------------|---|
| Project Manager: | Josh Adams | Bill to: (if different) | Kael Jennings |
| Company Name: | Ensolum, LLC | Company Name: | Ensolum, LLC |
| Address: | 601 N Marientfeld St Suite 400 | Address: | 601 N Marientfeld St Suite 400 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 303-517-8437 | Email: | kjennings@ensolum.com, jadams@ensolum.com |





| Work Order Comments | |
|--|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Project: | |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | | | |
|--|--|---|--|---|--|--|--|
| Project Name: | | Dominator Fed 25 Pad 1 | | Turn Around | | | |
| Project Number: | | 03D2024136 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | Pres. Code | |
| Project Location: | | 32 09511, -103 53140 | | Due Date: | | | |
| Sampler's Name: | | Kase Parker | | TAT starts the day received by the lab, if received by 4:30pm | | | |
| PO #: | | | | | | | |
| SAMPLE RECEIPT | | Temp Blank: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Samples Received Intact: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Thermometer ID: | | 177003 | |
| Cooler Custody Seals: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Correction Factor: | | -0.02 | |
| Sample Custody Seals: | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Temperature Reading: | | 1.2 | |
| Total Containers: | | | | Corrected Temperature: | | 1.0 | |
| Parameters | | | | | | | |
| RIDES (EPA: 300.0) | | | | | | | |
| <div> <div>015)</div> <div>8021</div> </div> | | | | | | | |
| ANALYSIS REQUEST | | | | | | | |
| <div> <div> <div> <div>890-3734 Chain of Custody</div>  </div> <div> <div> <div>None: NO</div> <div>Cool: Cool</div> <div>HCL: HC</div> <div>H₂SO₄: H₂</div> <div>H₃PO₄: HP</div> <div>NaHSO₄: NABIS</div> <div>Na₂S₂O₃: NaSO₃</div> <div>Zn Acetate+NaOH: Zn</div> <div>NaOH+Ascorbic Acid: SAPC</div> </div> <div> <div>DI Water: H₂O</div> <div>MeOH: Me</div> <div>HNO₃: HN</div> <div>NaOH: Na</div> </div> </div> </div> </div> | | | | | | | |

[illegible]

| 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 Ti Sn U V Zn |
| TCLP / SPLP 6010: | 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245, 1.7470 / 7471 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$6 for each sample submitted to Eurofins Xeno, 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 |
|---|---|-----------------|---|---|-----------|
|  |  | 12/30/22 9:00am |  |  | 12-30-22 |
| | | | | | |
| | | | | | |
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Revised Date 08/25/2020 Rev. 2020

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3734-1

SDG Number: 03D2024136

Login Number: 3734

List Number: 1

Creator: Clifton, Cloe

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: 890-3734-1

SDG Number: 03D2024136

Login Number: 3734

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/03/23 09:51 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 | |



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/6/2023 12:33:46 PM

JOB DESCRIPTION

DOMINATOR FED 25 PAD 1

SDG NUMBER 03D2024136

JOB NUMBER

890-3735-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/6/2023 12:33:46 PM

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

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Laboratory Job ID: 890-3735-1
SDG: 03D2024136

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Definitions/Glossary

Client: Ensolum

Job ID: 890-3735-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

Job ID: 890-3735-1

Laboratory: Eurofins Carlsbad

| Narrative | |
|-----------|-----------------------------|
| | Job Narrative 890-3735-1 |

Receipt

The sample was received on 12/30/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS04 (890-3735-1).

GC VOA

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

GC Semi VOA

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43077 and analytical batch 880-43285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

Client Sample ID: SS04

Lab Sample ID: 890-3735-1

Date Collected: 12/28/22 10:45

Matrix: Solid

Date Received: 12/30/22 09:30

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:25 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/05/23 10:15 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 01/06/23 11:39 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:23 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:23 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 115 | | 70 - 130 | 01/04/23 09:27 | 01/05/23 18:23 | 1 |
| o-Terphenyl | 134 | S1+ | 70 - 130 | 01/04/23 09:27 | 01/05/23 18:23 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 33.4 | | 5.05 | mg/Kg | | | 01/06/23 09:30 | 1 |

Eurofins Carlsbad

Surrogate Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

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) |
| 880-23150-A-21-G MS | Matrix Spike | 100 | 109 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | 99 | 107 |
| 890-3735-1 | SS04 | 112 | 107 |
| LCS 880-43114/1-A | Lab Control Sample | 103 | 110 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | 96 | 105 |
| MB 880-43114/5-A | Method Blank | 97 | 107 |
| 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) |
| 890-3735-1 | SS04 | 115 | 134 S1+ |
| 890-3746-A-1-B MS | Matrix Spike | 116 | 120 |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | 117 | 124 |
| LCS 880-43132/2-A | Lab Control Sample | 106 | 112 |
| LCSD 880-43132/3-A | Lab Control Sample Dup | 95 | 104 |
| MB 880-43132/1-A | Method Blank | 116 | 141 S1+ |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

Lab Sample ID: LCS 880-43114/1-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.09910 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09831 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2028 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.09740 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-43114/2-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.08858 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08677 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.08671 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1795 | | mg/Kg | | 90 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.08715 | | mg/Kg | | 87 | 70 - 130 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201 | U | 0.101 | 0.09062 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08564 | | mg/Kg | | 85 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

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

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08624 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1768 | | mg/Kg | | 88 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08556 | | mg/Kg | | 85 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-H MSD

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0996 | 0.08738 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.0996 | 0.08362 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0996 | 0.08437 | | mg/Kg | | 85 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1737 | | mg/Kg | | 87 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.0996 | 0.08400 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43132/1-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 116 | | 70 - 130 | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| o-Terphenyl | 141 | S1+ | 70 - 130 | 01/04/23 09:27 | 01/05/23 08:23 | 1 |

Lab Sample ID: LCS 880-43132/2-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 973.0 | | mg/Kg | | 97 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1092 | | mg/Kg | | 109 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

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

Lab Sample ID: LCS 880-43132/2-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43132

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 106 | | 70 - 130 |
| o-Terphenyl | 112 | | 70 - 130 |

Lab Sample ID: LCSD 880-43132/3-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1093 | | mg/Kg | | 109 | 70 - 130 | 12 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 953.9 | | mg/Kg | | 95 | 70 - 130 | 14 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 95 | | 70 - 130 |
| o-Terphenyl | 104 | | 70 - 130 |

Lab Sample ID: 890-3746-A-1-B MS

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 1302 | | mg/Kg | | 130 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 1249 | | mg/Kg | | 123 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 116 | | 70 - 130 |
| o-Terphenyl | 120 | | 70 - 130 |

Lab Sample ID: 890-3746-A-1-C MSD

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43132

| 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 | <49.9 | U | 999 | 1285 | | mg/Kg | | 129 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 1262 | | mg/Kg | | 125 | 70 - 130 | 1 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 117 | | 70 - 130 |
| o-Terphenyl | 124 | | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43077/1-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/06/23 08:28 | 1 |

Lab Sample ID: LCS 880-43077/2-A

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 259.2 | | mg/Kg | | 104 | 90 - 110 |

Lab Sample ID: LCSD 880-43077/3-A

Matrix: Solid

Analysis Batch: 43285

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 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |

Lab Sample ID: 890-3732-A-1-E MS

Matrix: Solid

Analysis Batch: 43285

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 | 55.1 | F1 | 250 | 361.5 | F1 | mg/Kg | | 123 | 90 - 110 |

Lab Sample ID: 890-3732-A-1-F MSD

Matrix: Solid

Analysis Batch: 43285

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 55.1 | F1 | 250 | 345.7 | F1 | mg/Kg | | 116 | 90 - 110 | 4 | 20 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

GC VOA

Prep Batch: 43114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | 5035 | |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | 8021B | 43114 |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 8021B | 43114 |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43114 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43114 |

Analysis Batch: 43220

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43132

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43132/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43132/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43132/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3746-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43193

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | 8015B NM | 43132 |
| MB 880-43132/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43132 |
| LCS 880-43132/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43132 |
| LCSD 880-43132/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43132 |
| 890-3746-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43132 |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43132 |

Analysis Batch: 43372

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3735-1 | SS04 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3735-1 | SS04 | Soluble | Solid | DI Leach | |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

HPLC/IC (Continued)

Leach Batch: 43077 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3735-1 | SS04 | Soluble | Solid | 300.0 | 43077 |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | 300.0 | 43077 |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43077 |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43077 |

Lab Chronicle

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

Client Sample ID: SS04

Lab Sample ID: 890-3735-1

Date Collected: 12/28/22 10:45

Matrix: Solid

Date Received: 12/30/22 09:30

| 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 | 43114 | 01/04/23 08:41 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43117 | 01/04/23 20:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43220 | 01/05/23 10:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43372 | 01/06/23 11:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43132 | 01/04/23 09:27 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43193 | 01/05/23 18:23 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 43077 | 01/03/23 12:07 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43285 | 01/06/23 09:30 | CH | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Ensolum

Job ID: 890-3735-1

Project/Site: DOMINATOR FED 25 PAD 1

SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: DOMINATOR FED 25 PAD 1

Job ID: 890-3735-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3735-1 | SS04 | Solid | 12/28/22 10:45 | 12/30/22 09:30 | 0.5 |

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- 14



Environment Testing
Xenco

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: _____

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Page _____

of _____

Chain of Custody

| | | | |
|------------------|-------------------------------|-------------------------|---|
| Project Manager: | Josh Adams | Bill to: (if different) | Kalei Jennings |
| Company Name: | Ensolum, LLC | Company Name: | Ensolum, LLC |
| Address: | 601 N Marlenfeld St Suite 400 | Address: | 601 N Marlenfeld St Suite 400 |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | Midland, TX 79701 |
| Phone: | 303-517-8437 | Email: | kjennings@ensolum.com, jadams@ensolum.com |

| | |
|--|--|
| Work Order Comments | |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Project: | |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | | |
|--------------------------|-------------------------------|--|------------|------------------|--|---|
| Project Name: | Dominator Fed 25 Pad 1 | Turn Around | Pres. Code | ANALYSIS REQUEST | | Preservative Codes |
| Project Number: | 03D2024136 | <input type="checkbox"/> Routine <input type="checkbox"/> Rush | | | | None: NO DI Water: H ₂ O |
| Project Location: | 32 09511, -103.53140 | Due Date: | | | | Cool: Cool MeOH: Me |
| Sampler's Name: | Kase Parker | TAT starts the day received by the lab, if received by 4:30pm | | | | HCL: HC HNO ₃ : HN |
| PO #: | | | | | | H ₂ SO ₄ : H ₂ NaOH: Na |
| SAMPLE RECEIPT | Temp Blank: (Yes) No (Yes) No | Wet Ice: (Yes) No | | | | H ₃ PO ₄ : HP |
| Samples Received Intact: | (Yes) No | Thermometer ID: T110007 | | | | NaHSO ₄ : NABIS |
| Cooler Custody Seals: | Yes No | Correction Factor: -0.8 | | | | Na ₂ S ₂ O ₃ : NASO ₃ |
| Sample Custody Seals: | Yes No | Temperature Reading: 1.8 | | | | Zn Acetate+NaOH: Zn |
| Total Containers: | | Corrected Temperature: | | | | NaOH+Ascorbic Acid: SAPC |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | CHLO | TPH (| BTEX | Sample Comments | | | | | | | | | | |
|---|--------|--------------|--------------|-------|------------|-----------|------|-------|------|-----------------|--|--|--|--|--|--|--|--|--|--|
| SS04 | S | 12/28/2022 | 1045 | 0.5' | Grab/ | 1 | X | X | X | | | | | | | | | | | |
| <div>Barcode: 890-3735 Chain of Custody</div> | | | | | | | | | | | | | | | | | | | | |
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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 SiO₂ Na Sr Ti 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 Ti 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 |
| <i>[Signature]</i> | <i>[Signature]</i> | 12/30/22 9:00am | <i>[Signature]</i> | <i>[Signature]</i> | 12-30-22 9:30 |
| | | | | | |
| | | | | | |
| | | | | | |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3735-1

SDG Number: 03D2024136

Login Number: 3735

List Number: 1

Creator: Clifton, Cloe

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: 890-3735-1

SDG Number: 03D2024136

Login Number: 3735

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/03/23 09:51 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 | |



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/6/2023 12:33:46 PM

JOB DESCRIPTION

Dominator Fed 25 Pad 1
SDG NUMBER 03D2024136

JOB NUMBER

890-3736-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/6/2023 12:33:46 PM

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

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Laboratory Job ID: 890-3736-1
SDG: 03D2024136

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Definitions/Glossary

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| 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/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Job ID: 890-3736-1

Laboratory: Eurofins Carlsbad

| Narrative | Job Narrative 890-3736-1 |
|-----------|-----------------------------|
|-----------|-----------------------------|

Receipt

The sample was received on 12/30/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS05 (890-3736-1).

GC VOA

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

GC Semi VOA

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43077 and analytical batch 880-43285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Client Sample ID: SS05

Lab Sample ID: 890-3736-1

Date Collected: 12/28/22 10:50

Matrix: Solid

Date Received: 12/30/22 09:30

Sample Depth: 0.5

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 01/04/23 08:41 | 01/04/23 20:46 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:46 | 1 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 20:46 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/05/23 10:15 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/06/23 11:39 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:44 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/04/23 09:27 | 01/05/23 18:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117 | | 70 - 130 | 01/04/23 09:27 | 01/05/23 18:44 | 1 |
| o-Terphenyl | 138 | S1+ | 70 - 130 | 01/04/23 09:27 | 01/05/23 18:44 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 44.5 | | 4.95 | mg/Kg | | | 01/06/23 09:36 | 1 |

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Surrogate Summary

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

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) |
| 880-23150-A-21-G MS | Matrix Spike | 100 | 109 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | 99 | 107 |
| 890-3736-1 | SS05 | 111 | 103 |
| LCS 880-43114/1-A | Lab Control Sample | 103 | 110 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | 96 | 105 |
| MB 880-43114/5-A | Method Blank | 97 | 107 |
| 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) |
| 890-3736-1 | SS05 | 117 | 138 S1+ |
| 890-3746-A-1-B MS | Matrix Spike | 116 | 120 |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | 117 | 124 |
| LCS 880-43132/2-A | Lab Control Sample | 106 | 112 |
| LCSD 880-43132/3-A | Lab Control Sample Dup | 95 | 104 |
| MB 880-43132/1-A | Method Blank | 116 | 141 S1+ |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 01/04/23 08:41 | 01/04/23 12:40 | 1 |

Lab Sample ID: LCS 880-43114/1-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.09910 | | mg/Kg | | 99 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09831 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2028 | | mg/Kg | | 101 | 70 - 130 |
| o-Xylene | 0.100 | 0.09740 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-43114/2-A

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.08858 | | mg/Kg | | 89 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08677 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.08671 | | mg/Kg | | 87 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1795 | | mg/Kg | | 90 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.08715 | | mg/Kg | | 87 | 70 - 130 | 11 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 |

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201 | U | 0.101 | 0.09062 | | mg/Kg | | 90 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08564 | | mg/Kg | | 85 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

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

Lab Sample ID: 880-23150-A-21-G MS

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08624 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1768 | | mg/Kg | | 88 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08556 | | mg/Kg | | 85 | 70 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | MS Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | | | | | | |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-23150-A-21-H MSD

Matrix: Solid

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43114

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0996 | 0.08738 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.0996 | 0.08362 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0996 | 0.08437 | | mg/Kg | | 85 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.199 | 0.1737 | | mg/Kg | | 87 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.0996 | 0.08400 | | mg/Kg | | 84 | 70 - 130 | 2 | 35 |
| Surrogate | MSD %Recovery | MSD Qualifier | MSD Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | | | | | | | | |

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

Lab Sample ID: MB 880-43132/1-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|--------------|-----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | MB Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 116 | | 70 - 130 | | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |
| o-Terphenyl | 141 | S1+ | 70 - 130 | | | 01/04/23 09:27 | 01/05/23 08:23 | 1 |

Lab Sample ID: LCS 880-43132/2-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43132

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 973.0 | | mg/Kg | | 97 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1092 | | mg/Kg | | 109 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

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

Lab Sample ID: LCS 880-43132/2-A
Matrix: Solid
Analysis Batch: 43193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43132

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 106 | | 70 - 130 |
| o-Terphenyl | 112 | | 70 - 130 |

Lab Sample ID: LCSD 880-43132/3-A
Matrix: Solid
Analysis Batch: 43193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43132

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1093 | | mg/Kg | | 109 | 70 - 130 | 12 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 953.9 | | mg/Kg | | 95 | 70 - 130 | 14 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 95 | | 70 - 130 |
| o-Terphenyl | 104 | | 70 - 130 |

Lab Sample ID: 890-3746-A-1-B MS
Matrix: Solid
Analysis Batch: 43193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43132

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 999 | 1302 | | mg/Kg | | 130 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 1249 | | mg/Kg | | 123 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 116 | | 70 - 130 |
| o-Terphenyl | 120 | | 70 - 130 |

Lab Sample ID: 890-3746-A-1-C MSD
Matrix: Solid
Analysis Batch: 43193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43132

| 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 | <49.9 | U | 999 | 1285 | | mg/Kg | | 129 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 999 | 1262 | | mg/Kg | | 125 | 70 - 130 | 1 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 117 | | 70 - 130 |
| o-Terphenyl | 124 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43077/1-A
Matrix: Solid
Analysis Batch: 43285

Client Sample ID: Method Blank
Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/06/23 08:28 | 1 |

Lab Sample ID: LCS 880-43077/2-A
Matrix: Solid
Analysis Batch: 43285

Client Sample ID: Lab Control Sample
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 259.2 | | mg/Kg | | 104 | 90 - 110 |

Lab Sample ID: LCSD 880-43077/3-A
Matrix: Solid
Analysis Batch: 43285

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 | 257.6 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |

Lab Sample ID: 890-3732-A-1-E MS
Matrix: Solid
Analysis Batch: 43285

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 | 55.1 | F1 | 250 | 361.5 | F1 | mg/Kg | | 123 | 90 - 110 |

Lab Sample ID: 890-3732-A-1-F MSD
Matrix: Solid
Analysis Batch: 43285

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 55.1 | F1 | 250 | 345.7 | F1 | mg/Kg | | 116 | 90 - 110 | 4 | 20 |

QC Association Summary

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

GC VOA

Prep Batch: 43114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | 5035 | |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | 8021B | 43114 |
| MB 880-43114/5-A | Method Blank | Total/NA | Solid | 8021B | 43114 |
| LCS 880-43114/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43114 |
| LCSD 880-43114/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-G MS | Matrix Spike | Total/NA | Solid | 8021B | 43114 |
| 880-23150-A-21-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43114 |

Analysis Batch: 43221

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43132

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43132/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43132/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43132/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3746-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43193

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | 8015B NM | 43132 |
| MB 880-43132/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43132 |
| LCS 880-43132/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43132 |
| LCSD 880-43132/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43132 |
| 890-3746-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43132 |
| 890-3746-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43132 |

Analysis Batch: 43373

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3736-1 | SS05 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43077

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3736-1 | SS05 | Soluble | Solid | DI Leach | |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

HPLC/IC (Continued)

Leach Batch: 43077 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43285

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3736-1 | SS05 | Soluble | Solid | 300.0 | 43077 |
| MB 880-43077/1-A | Method Blank | Soluble | Solid | 300.0 | 43077 |
| LCS 880-43077/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43077 |
| LCSD 880-43077/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-E MS | Matrix Spike | Soluble | Solid | 300.0 | 43077 |
| 890-3732-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43077 |

Lab Chronicle

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

Client Sample ID: SS05
Date Collected: 12/28/22 10:50
Date Received: 12/30/22 09:30

Lab Sample ID: 890-3736-1
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 | | | 4.97 g | 5 mL | 43114 | 01/04/23 08:41 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43117 | 01/04/23 20:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43221 | 01/05/23 10:15 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43373 | 01/06/23 11:39 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43132 | 01/04/23 09:27 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43193 | 01/05/23 18:44 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 43077 | 01/03/23 12:07 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43285 | 01/06/23 09:36 | 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: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Ensolum
Project/Site: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Dominator Fed 25 Pad 1

Job ID: 890-3736-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3736-1 | SS05 | Solid | 12/28/22 10:50 | 12/30/22 09:30 | 0.5 |

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- 2
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- 12
- 13
- 14




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 7 of 10





| Work Order Comments | |
|--|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Project: | |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|------------------------|--|---|--|------------|--|--------------------|--|-------|--|------|--|--|--|--|--|--------------------|--|--|--|
| Project Name: | | Dominator Fed 25 Pad 1 | | Turn Around | | Pres. Code | | ANALYSIS REQUEST | | | | | | | | | | Preservative Codes | | | |
| Project Number: | | 03D2024136 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | Parameters | | RIDES (EPA: 300.0) | | 8015) | | 8021 | |  890-3736 Chain of Custody | | None: NO Cool: Cool HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NAHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC | | | | | |
| Project Location: | | 32.09511, -103.53140 | | Due Date: | | | | | | | | | | | | | | | | | |
| Sampler's Name: | | Kase Parker | | TAT starts the day received by the lab, if received by 4:30pm | | | | | | | | | | | | | | | | | |
| PO #: | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT | | Temp Blank: | | (Yes) No | | Well Ice: | | (Yes) No | | | | | | | | | | | | | |
| Samples Received Intact: | | (Yes) No | | Thermometer ID: | | TAT-003 | | | | | | | | | | | | | | | |
| Cooler Custody Seals: | | Yes No | | Correction Factor: | | -0.0 | | | | | | | | | | | | | | | |
| Sample Custody Seals: | | Yes No | | Temperature Reading: | | 1.2 | | | | | | | | | | | | | | | |
| Total Containers: | | | | Corrected Temperature: | | 1.0 | | | | | | | | | | | | | | | |

[illegible]

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

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  |  | 12/30/22 9:00 am | 2  |  | 12-30-22 9 |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 08/25/2020 Rev. 2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3736-1

SDG Number: 03D2024136

Login Number: 3736

List Number: 1

Creator: Clifton, Cloe

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: 890-3736-1

SDG Number: 03D2024136

Login Number: 3736

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/03/23 09:51 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 | |



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/17/2023 4:19:47 PM

JOB DESCRIPTION

Dominator Fed 25 CTB
SDG NUMBER 03D2024136

JOB NUMBER

890-3828-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/17/2023 4:19:47 PM

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

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Laboratory Job ID: 890-3828-1
SDG: 03D2024136

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Definitions/Glossary

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | 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/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Job ID: 890-3828-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-3828-1****Receipt**

The samples were received on 1/11/2023 3:02 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 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-3828-1), FS02 (890-3828-2) and FS03 (890-3828-3).

GC VOA

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-43913 and analytical batch 880-43959 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS02 (890-3828-2), (LCSD 880-43908/3-A), (MB 880-43908/1-A) and (890-3793-A-1-C). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Client Sample ID: FS01

Lab Sample ID: 890-3828-1

Date Collected: 01/11/23 11:45

Matrix: Solid

Date Received: 01/11/23 15:02

Sample Depth: 6'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| o-Xylene | <0.00201 | U * | 0.00201 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:28 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:28 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:28 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/17/23 14:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/16/23 16:51 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 17:39 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 17:39 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 17:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 123 | | 70 - 130 | 01/13/23 13:08 | 01/15/23 17:39 | 1 |
| o-Terphenyl | 121 | | 70 - 130 | 01/13/23 13:08 | 01/15/23 17:39 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 221 | | 5.02 | mg/Kg | | | 01/17/23 10:29 | 1 |

Client Sample ID: FS02

Lab Sample ID: 890-3828-2

Date Collected: 01/11/23 11:50

Matrix: Solid

Date Received: 01/11/23 15:02

Sample Depth: 6'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |
| o-Xylene | <0.00199 | U * | 0.00199 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:49 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Client Sample ID: FS02

Lab Sample ID: 890-3828-2

Date Collected: 01/11/23 11:50

Matrix: Solid

Date Received: 01/11/23 15:02

Sample Depth: 6'

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 74 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:49 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/17/23 14:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/16/23 16:51 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:00 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:00 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 119 | | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 18:00 | 1 |
| o-Terphenyl | 138 | S1+ | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 18:00 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 229 | | 4.97 | mg/Kg | | | 01/17/23 10:48 | 1 |

Client Sample ID: FS03

Lab Sample ID: 890-3828-3

Date Collected: 01/11/23 12:50

Matrix: Solid

Date Received: 01/11/23 15:02

Sample Depth: 12'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| o-Xylene | <0.00200 | U ** | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 01/13/23 14:03 | 01/16/23 23:09 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 23:09 | 1 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 23:09 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/17/23 14:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 01/16/23 16:51 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Client Sample ID: FS03
Date Collected: 01/11/23 12:50
Date Received: 01/11/23 15:02
Sample Depth: 12'

Lab Sample ID: 890-3828-3
Matrix: Solid

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) | | | | | | | | | |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:21 | 1 | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:21 | 1 | |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 18:21 | 1 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | |
| 1-Chlorooctane | 104 | | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 18:21 | 1 | |
| o-Terphenyl | 125 | | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 18:21 | 1 | |

| Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Chloride | 235 | | 4.99 | mg/Kg | | | 01/17/23 10:54 | 1 | |

Surrogate Summary

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

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) |
| 890-3828-1 | FS01 | 95 | 95 |
| 890-3828-1 MS | FS01 | 97 | 101 |
| 890-3828-1 MSD | FS01 | 113 | 98 |
| 890-3828-2 | FS02 | 84 | 74 |
| 890-3828-3 | FS03 | 102 | 93 |
| LCS 880-43913/1-A | Lab Control Sample | 119 | 104 |
| LCSD 880-43913/2-A | Lab Control Sample Dup | 119 | 100 |
| MB 880-43913/5-A | Method Blank | 85 | 90 |
| MB 880-43969/5-A | Method Blank | 83 | 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) |
| 890-3793-A-1-D MS | Matrix Spike | 92 | 100 |
| 890-3793-A-1-E MSD | Matrix Spike Duplicate | 96 | 107 |
| 890-3828-1 | FS01 | 123 | 121 |
| 890-3828-2 | FS02 | 119 | 138 S1+ |
| 890-3828-3 | FS03 | 104 | 125 |
| LCS 880-43908/2-A | Lab Control Sample | 111 | 127 |
| LCSD 880-43908/3-A | Lab Control Sample Dup | 110 | 132 S1+ |
| MB 880-43908/1-A | Method Blank | 167 S1+ | 203 S1+ |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43913/5-A

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/13/23 14:03 | 01/16/23 22:07 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:07 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | 01/13/23 14:03 | 01/16/23 22:07 | 1 |

Lab Sample ID: LCS 880-43913/1-A

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1043 | | mg/Kg | | 104 | 70 - 130 |
| Toluene | 0.100 | 0.1082 | | mg/Kg | | 108 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1054 | | mg/Kg | | 105 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2303 | | mg/Kg | | 115 | 70 - 130 |
| o-Xylene | 0.100 | 0.1406 | *+ | mg/Kg | | 141 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 119 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: LCSD 880-43913/2-A

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.09122 | | mg/Kg | | 91 | 70 - 130 | 13 | 35 |
| Toluene | 0.100 | 0.09650 | | mg/Kg | | 97 | 70 - 130 | 11 | 35 |
| Ethylbenzene | 0.100 | 0.09396 | | mg/Kg | | 94 | 70 - 130 | 11 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2079 | | mg/Kg | | 104 | 70 - 130 | 10 | 35 |
| o-Xylene | 0.100 | 0.1221 | | mg/Kg | | 122 | 70 - 130 | 14 | 35 |

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

Lab Sample ID: 890-3828-1 MS

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201 | U | 0.100 | 0.07974 | | mg/Kg | | 80 | 70 - 130 |
| Toluene | <0.00201 | U | 0.100 | 0.08136 | | mg/Kg | | 81 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

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

Lab Sample ID: 890-3828-1 MS

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00201 | U | 0.100 | 0.07176 | | mg/Kg | | 72 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1497 | | mg/Kg | | 75 | 70 - 130 |
| o-Xylene | <0.00201 | U * | 0.100 | 0.08631 | | mg/Kg | | 86 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 890-3828-1 MSD

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 43913

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00201 | U | 0.0990 | 0.07941 | | mg/Kg | | 80 | 70 - 130 | 0 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.08542 | | mg/Kg | | 86 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0990 | 0.08183 | | mg/Kg | | 83 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.198 | 0.1775 | | mg/Kg | | 90 | 70 - 130 | 17 | 35 |
| o-Xylene | <0.00201 | U * | 0.0990 | 0.1015 | | mg/Kg | | 103 | 70 - 130 | 16 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 113 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: MB 880-43969/5-A

Matrix: Solid

Analysis Batch: 43959

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43969

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/16/23 09:18 | 01/16/23 11:30 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 83 | | 70 - 130 | 01/16/23 09:18 | 01/16/23 11:30 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | 01/16/23 09:18 | 01/16/23 11:30 | 1 |

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

Lab Sample ID: MB 880-43908/1-A

Matrix: Solid

Analysis Batch: 43947

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43908

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 08:29 | 1 |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

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

Lab Sample ID: MB 880-43908/1-A
Matrix: Solid
Analysis Batch: 43947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43908

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 08:29 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/13/23 13:08 | 01/15/23 08:29 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 167 | S1+ | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 08:29 | 1 |
| o-Terphenyl | 203 | S1+ | 70 - 130 | | | 01/13/23 13:08 | 01/15/23 08:29 | 1 |

Lab Sample ID: LCS 880-43908/2-A
Matrix: Solid
Analysis Batch: 43947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43908

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1045 | | mg/Kg | | 105 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 972.8 | | mg/Kg | | 97 | 70 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 1-Chlorooctane | 111 | | 70 - 130 | | | | |
| o-Terphenyl | 127 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-43908/3-A
Matrix: Solid
Analysis Batch: 43947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43908

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1027 | | mg/Kg | | 103 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 981.4 | | mg/Kg | | 98 | 70 - 130 | 1 | 20 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 110 | | 70 - 130 | | | | | | |
| o-Terphenyl | 132 | S1+ | 70 - 130 | | | | | | |

Lab Sample ID: 890-3793-A-1-D MS
Matrix: Solid
Analysis Batch: 43947

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43908

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 872.4 | | mg/Kg | | 85 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 1034 | | mg/Kg | | 102 | 70 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 92 | | 70 - 130 | | | | | | |
| o-Terphenyl | 100 | | 70 - 130 | | | | | | |

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QC Sample Results

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

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

Lab Sample ID: 890-3793-A-1-E MSD

Matrix: Solid

Analysis Batch: 43947

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43908

| 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 | <49.9 | U | 997 | 901.5 | | mg/Kg | | 88 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 997 | 1119 | | mg/Kg | | 111 | 70 - 130 | 8 | 20 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 96 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 107 | | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43971/1-A

Matrix: Solid

Analysis Batch: 44147

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/17/23 10:03 | 1 |

Lab Sample ID: LCS 880-43971/2-A

Matrix: Solid

Analysis Batch: 44147

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250 | 254.4 | | mg/Kg | | 102 | 90 - 110 |

Lab Sample ID: LCSD 880-43971/3-A

Matrix: Solid

Analysis Batch: 44147

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 | 254.6 | | mg/Kg | | 102 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3828-1 MS

Matrix: Solid

Analysis Batch: 44147

Client Sample ID: FS01

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 221 | | 251 | 479.4 | | mg/Kg | | 103 | 90 - 110 |

Lab Sample ID: 890-3828-1 MSD

Matrix: Solid

Analysis Batch: 44147

Client Sample ID: FS01

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 221 | | 251 | 479.1 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

GC VOA

Prep Batch: 43913

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | 5035 | |
| 890-3828-2 | FS02 | Total/NA | Solid | 5035 | |
| 890-3828-3 | FS03 | Total/NA | Solid | 5035 | |
| MB 880-43913/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43913/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43913/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3828-1 MS | FS01 | Total/NA | Solid | 5035 | |
| 890-3828-1 MSD | FS01 | Total/NA | Solid | 5035 | |

Analysis Batch: 43959

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | 8021B | 43913 |
| 890-3828-2 | FS02 | Total/NA | Solid | 8021B | 43913 |
| 890-3828-3 | FS03 | Total/NA | Solid | 8021B | 43913 |
| MB 880-43913/5-A | Method Blank | Total/NA | Solid | 8021B | 43913 |
| MB 880-43969/5-A | Method Blank | Total/NA | Solid | 8021B | 43969 |
| LCS 880-43913/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43913 |
| LCSD 880-43913/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43913 |
| 890-3828-1 MS | FS01 | Total/NA | Solid | 8021B | 43913 |
| 890-3828-1 MSD | FS01 | Total/NA | Solid | 8021B | 43913 |

Prep Batch: 43969

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-43969/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 44169

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | Total BTEX | |
| 890-3828-2 | FS02 | Total/NA | Solid | Total BTEX | |
| 890-3828-3 | FS03 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43908

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-3828-2 | FS02 | Total/NA | Solid | 8015NM Prep | |
| 890-3828-3 | FS03 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43908/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43908/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43908/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3793-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3793-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43947

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | 8015B NM | 43908 |
| 890-3828-2 | FS02 | Total/NA | Solid | 8015B NM | 43908 |
| 890-3828-3 | FS03 | Total/NA | Solid | 8015B NM | 43908 |
| MB 880-43908/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43908 |
| LCS 880-43908/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43908 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

GC Semi VOA (Continued)

Analysis Batch: 43947 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-43908/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43908 |
| 890-3793-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43908 |
| 890-3793-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43908 |

Analysis Batch: 44062

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3828-1 | FS01 | Total/NA | Solid | 8015 NM | |
| 890-3828-2 | FS02 | Total/NA | Solid | 8015 NM | |
| 890-3828-3 | FS03 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43971

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3828-1 | FS01 | Soluble | Solid | DI Leach | |
| 890-3828-2 | FS02 | Soluble | Solid | DI Leach | |
| 890-3828-3 | FS03 | Soluble | Solid | DI Leach | |
| MB 880-43971/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43971/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43971/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3828-1 MS | FS01 | Soluble | Solid | DI Leach | |
| 890-3828-1 MSD | FS01 | Soluble | Solid | DI Leach | |

Analysis Batch: 44147

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3828-1 | FS01 | Soluble | Solid | 300.0 | 43971 |
| 890-3828-2 | FS02 | Soluble | Solid | 300.0 | 43971 |
| 890-3828-3 | FS03 | Soluble | Solid | 300.0 | 43971 |
| MB 880-43971/1-A | Method Blank | Soluble | Solid | 300.0 | 43971 |
| LCS 880-43971/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43971 |
| LCSD 880-43971/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43971 |
| 890-3828-1 MS | FS01 | Soluble | Solid | 300.0 | 43971 |
| 890-3828-1 MSD | FS01 | Soluble | Solid | 300.0 | 43971 |

Lab Chronicle

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

Client Sample ID: FS01

Lab Sample ID: 890-3828-1

Date Collected: 01/11/23 11:45

Matrix: Solid

Date Received: 01/11/23 15:02

| 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 | 43913 | 01/13/23 14:03 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43959 | 01/16/23 22:28 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44169 | 01/17/23 14:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44062 | 01/16/23 16:51 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43908 | 01/13/23 13:08 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43947 | 01/15/23 17:39 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 43971 | 01/16/23 09:22 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44147 | 01/17/23 10:29 | CH | EET MID |

Client Sample ID: FS02

Lab Sample ID: 890-3828-2

Date Collected: 01/11/23 11:50

Matrix: Solid

Date Received: 01/11/23 15:02

| 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 | 43913 | 01/13/23 14:03 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43959 | 01/16/23 22:49 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44169 | 01/17/23 14:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44062 | 01/16/23 16:51 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43908 | 01/13/23 13:08 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43947 | 01/15/23 18:00 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 43971 | 01/16/23 09:22 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44147 | 01/17/23 10:48 | CH | EET MID |

Client Sample ID: FS03

Lab Sample ID: 890-3828-3

Date Collected: 01/11/23 12:50

Matrix: Solid

Date Received: 01/11/23 15:02

| 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 | 43913 | 01/13/23 14:03 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43959 | 01/16/23 23:09 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44169 | 01/17/23 14:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44062 | 01/16/23 16:51 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 43908 | 01/13/23 13:08 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43947 | 01/15/23 18:21 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 43971 | 01/16/23 09:22 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44147 | 01/17/23 10:54 | 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: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

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 | T104704400-22-25 | 06-30-23 |

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 |
| Total BTEX | | Solid | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ensolum
Project/Site: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

| 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 | MCAWW | 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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Dominator Fed 25 CTB

Job ID: 890-3828-1
SDG: 03D2024136

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3828-1 | FS01 | Solid | 01/11/23 11:45 | 01/11/23 15:02 | 6' |
| 890-3828-2 | FS02 | Solid | 01/11/23 11:50 | 01/11/23 15:02 | 6' |
| 890-3828-3 | FS03 | Solid | 01/11/23 12:50 | 01/11/23 15:02 | 12' |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing
Xenco

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) 986-3199

Work Order No.:

www.xenco.com Page of

| | | | |
|------------------|--------------------------|-------------------------|---|
| Project Manager: | Josh Adams | Bill to: (if different) | Kalei Jennings |
| Company Name: | Ensolum, LLC | Company Name: | Ensolum, LLC |
| Address: | 3122 Nat'l Parks Highway | Address: | 3122 Nat'l Parks Highway |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 303-517-8437 | Email: | jadams@ensolum.com, kjennings@ensolum.com |

| | |
|--|--|
| Work Order Comments | |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Project: NM | |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: | |

| | | | | | |
|--------------------------|--|---|---|------------|--|
| Project Name: | Dominate Fed 25 CTB | Turn Around | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code | |
| Project Number: | 0307024136 | Due Date: | | | |
| Project Location: | 32.09511-103.53140 | TAT starts the day received by the lab, if received by 4:30pm | | | |
| Sampler's Name: | Juliana Falconata | | | | |
| PO #: | | | | | |
| SAMPLE RECEIPT | Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Thermometer ID: | IN-027 | | |
| Cooler Custody Seals: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Correction Factor: | FD-02 | | |
| Sample Custody Seals: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Temperature Reading: | 4.4 | | |
| Total Containers: | | Corrected Temperature: | 4.2 | | |



| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | BTEX | TPH | CHLORIDES | Preservative Codes | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------|-----|-----------|---|----------------------------|
| ES01 | S | 01-11-23 | 1145 | 6" | 1 | 1 | | | | None, NO | DI Water, H ₂ O |
| ES02 | S | 01-11-23 | 1150 | 6" | 1 | 1 | | | | Cool: Cool | MeOH: Me |
| ES06 | S | 01-11-23 | 1250 | 12" | 1 | 1 | | | | HCL: HC | HNO ₃ : HN |
| | | | | | | | | | | H ₂ SO ₄ : H ₂ | NaOH: Na |
| | | | | | | | | | | H ₃ PO ₄ : HP | |
| | | | | | | | | | | NaHSO ₄ : NABIS | |
| | | | | | | | | | | Na ₂ S ₂ O ₃ : NaSO ₃ | |
| | | | | | | | | | | Zn Acetate+NaOH: Zn | |
| | | | | | | | | | | NaOH+Ascorbic Acid: SAPC | |

NAAP 223633-1962

| | | | | | | | |
|---|--------------------------|-------------------------|------------------------------|--|-----------|---|--|
| 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 Ti 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 Ti 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 | | |
| | | 1-11-23 1508 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3828-1

SDG Number: 03D2024136

Login Number: 3828

List Number: 1

Creator: Stutzman, Amanda

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: 890-3828-1

SDG Number: 03D2024136

Login Number: 3828

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/13/23 10:36 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 | |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 197144

CONDITIONS

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 197144 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|--------------------------|----------------|
| Created By | Condition | Condition Date |
| jnobui | Closure Report Approved. | 3/22/2023 |