

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    | nAPP2330651127 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

Release Notification

Responsible Party

|                         |  |                   |                   |
|-------------------------|--|-------------------|-------------------|
| Responsible Party       | XTO Energy   | OGRID             | 5380              |
| Contact Name            | Garrett Green                                      | Contact Telephone | 575-200-0729      |
| Contact email           | garrett.green@exxonmobil.com                       | Incident #        | (assigned by OCD) |
| Contact mailing address | 3104 E. Greene Street, Carlsbad, New Mexico, 88220 |                   |                   |

Location of Release Source

Latitude 32.18620 Longitude -103.67673  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |              |           |                 |
|-------------------------|--------------|-----------|-----------------|
| Site Name               | Outrider CVB | Site Type | Tank Battery    |
| Date Release Discovered | 10/21/2023   | API#      | (if applicable) |

|             |         |          |       |        |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| J           | 28      | 24S      | 32E   | Lea    |

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 checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 6.70  | Volume Recovered (bbls) 6.00                             |
| <input type="checkbox"/> Produced Water       | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
|   | Is the concentration of total dissolved solids (TDS) 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  
A broken sight glass on heater treater 501 caused fluids to release to pad. All free fluids were recovered. A third-party contractor has been retained for remediation purposes.

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2330651127 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

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

## Initial Response

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

|  |                                  |
|--|----------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" 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:<br>NA   |                                  |
| 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: Garrett Green  | Title: Environmental Coordinator |
| Signature:    | Date: 11/2/2023                  |
| email: garrett.green@exxonmobil.com  | Telephone: 575-200-0729          |
| <b><u>OCD Only</u></b><br>Received by: _____ Date: _____   |                                  |

|  |                   |         |
|--|-------------------|---------|
| <b>Location:</b>                         | <b>Outrider</b>   |         |
| <b>Spill Date:</b>                       | <b>10/21/2023</b> |         |
| <b>Area 1</b>                            |                   |         |
| Approximate Area =                       | 3129.00           | sq. ft. |
| Average Saturation (or depth) of spill = | 0.50              | inches  |
|  |                   |         |
| Average Porosity Factor =                | 0.03              |         |
|  |                   |         |
| <b>VOLUME OF LEAK</b>                    |                   |         |
| Total Crude Oil =                        | 6.70              | bbls    |
| Total Produced Water =                   | 0.00              | bbls    |
| <b>TOTAL VOLUME OF LEAK</b>              |                   |         |
| Total Crude Oil =                        | 6.70              | bbls    |
| Total Produced Water =                   | 0.00              | bbls    |
| <b>TOTAL VOLUME RECOVERED</b>            |                   |         |
| Total Crude Oil =                        | 6.00              | bbls    |
| Total Produced Water =                   | 0.00              | bbls    |



January 16, 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  
Otrider CVB  
Incident Number nAPP2330651127  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities performed at the Otrider CVB (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil at the Site. Based on excavation activities and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2330651127.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit J, Section 28, Township 24 South, Range 32 East, in Lea County, New Mexico (32.18620°, -103.67673°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 21, 2023, a sight glass on a heater treater shattered, resulting in the release of approximately 6.7 barrels (bbls) of crude oil onto the surface of the well pad. A vacuum truck was immediately dispatched to recover free-standing fluids; approximately 6.0 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on November 2, 2023. The release was assigned Incident Number nAPP2330651127.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 5 of the Form C-141, Site Assessment/Characterization.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest groundwater well is permitted by the New Mexico Office of the State Engineer (OSE file number C-4536) and is located approximately 0.41 miles south of the Site. The groundwater well was completed on June 10, 2021, and was drilled to a total depth of 500 feet bgs. The static groundwater level upon completion was 314 feet bgs. All wells used



XTO Energy, Inc  
Closure Request  
Outrider CVB

for depth to water determination are depicted on Figure 1 and the Well Record and Log for groundwater well C-4536 is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 2,926 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).

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

## SITE ASSESSMENT ACTIVITIES

On November 8, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Two soil samples (SS01 and SS02) were collected within the observed soil stained area at a depth of 0.5 feet bgs, defined as the release extent. In addition, four delineation soil samples (SS03 through SS06) were collected around the release extent at a depth of 0.5 feet bgs to assess the lateral extent of the release. The delineation soil samples were field screened for chloride using Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

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 constituents of concern (COC): 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. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celcius required for shipment and long term storage, but are considered to have been received in acceptable condition by the laboratory.

Laboratory analytical results for delineation soil samples SS01 and SS02 indicated TPH concentrations exceeded the applicable Site Closure Criteria. Laboratory analytical results for delineation soil samples SS03 through SS06 indicated all COC concentrations were compliant with the applicable Site Closure Criteria. Based on visible staining within the release area and laboratory analytical results for SS01 and SS02, delineation and excavation activities appeared to be warranted.

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## DELINEATION SOIL SAMPLING ACTIVITIES

Between November 15, and December 11, 2023, Ensolum returned to the Site to oversee delineation and excavation activities. Two potholes (PH01 and PH02) were advanced in the vicinity of delineation soil samples SS01 and SS02, respectively, by use of heavy equipment to assess the vertical extent of the release. Two additional potholes (PH03 and PH04) were advanced around the release extent in the vicinity of SS05 and SS06, respectively. Discrete soil samples were collected from each pothole from depths ranging from 0.5 feet bgs to 5.5 feet bgs and field screened for volatile aromatic hydrocarbons (VOCs) utilizing a calibrated photoionization detector (PID) and chloride as described above. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The delineation soil samples were handled and analyzed following the same procedures as described above. The pothole soil sample locations are depicted on Figure 2. Laboratory analytical results for delineation soil samples (PH01 through PH04) indicated all COC concentrations were compliant with the Site Closure Criteria and vertically delineated to the most stringent Table I Closure Criteria.

## EXCAVATION SOIL SAMPLING ACTIVITIES

Between November 16, and December 11, 2023, impacted soil was excavated from the release area as indicated by delineation soil sample laboratory analytical results and field screenings to remove impacted and waste-containing soil. Excavation activities were performed utilizing a backhoe and transport vehicles. The entirety of the excavation occurred on the facility pad. To direct excavation activities, soil was screened for VOCs and chloride as described above.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 and FS02 were collected from the floor of the excavation at a depth of 5 feet bgs. Confirmation soil samples SW01 and SW02 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 feet bgs. The excavation confirmation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation confirmation soil sample locations are presented on Figure 3. Photographic documentation of the excavation is included in Appendix B.

Based on laboratory analytical results for sidewall soil sample SW02, additional excavation was completed to support lateral definition of the release to the strictest Table I Closure Criteria. Following the removal of waste-containing soil, confirmation floor soil sample FS03 and sidewall soil sample SW03 were collected following the same confirmation soil sampling procedures as described above. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

The final excavation extent measured approximately 550 square feet. A total of approximately 100 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at R360 Landfill Disposal Facility in Hobbs, New Mexico. All waste-containing soil, exceeding the reclamation requirement and was accessible by heavy equipment, has been removed. An estimated 200 cubic yards of waste-containing soil remains on pad, immediately adjacent to or beneath active production equipment. The remaining soil is delineated to the strictest Table I Closure Criteria by SW03, FS03, SS05/PH03, SS06/PH04, SS07 through SS10 and will be reclaimed during pad abandonment or any major facility reconstruction.

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Closure Request  
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The excavation was backfilled on January 12, 2024, with caliche material purchased locally and the area was recontoured to match pre-existing Site conditions. Photographic documentation of the backfill is included in Appendix B.

## CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 21, 2023, release of crude oil. Laboratory analytical results for excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Closure Criteria. Based on laboratory analytical results, no further remediation is required at this time. Areas pending reclamation will be completed during pad abandonment or major facility reconstruction.

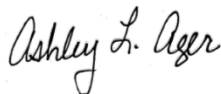
Excavation of soil has mitigated impacts at this Site. Depth to groundwater is confirmed to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2330651127.

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

Sincerely,  
**Ensolum, LLC**



Benjamin J. Belill  
Project Geologist



Ashley L. Ager, M.S., P.G.  
Principal

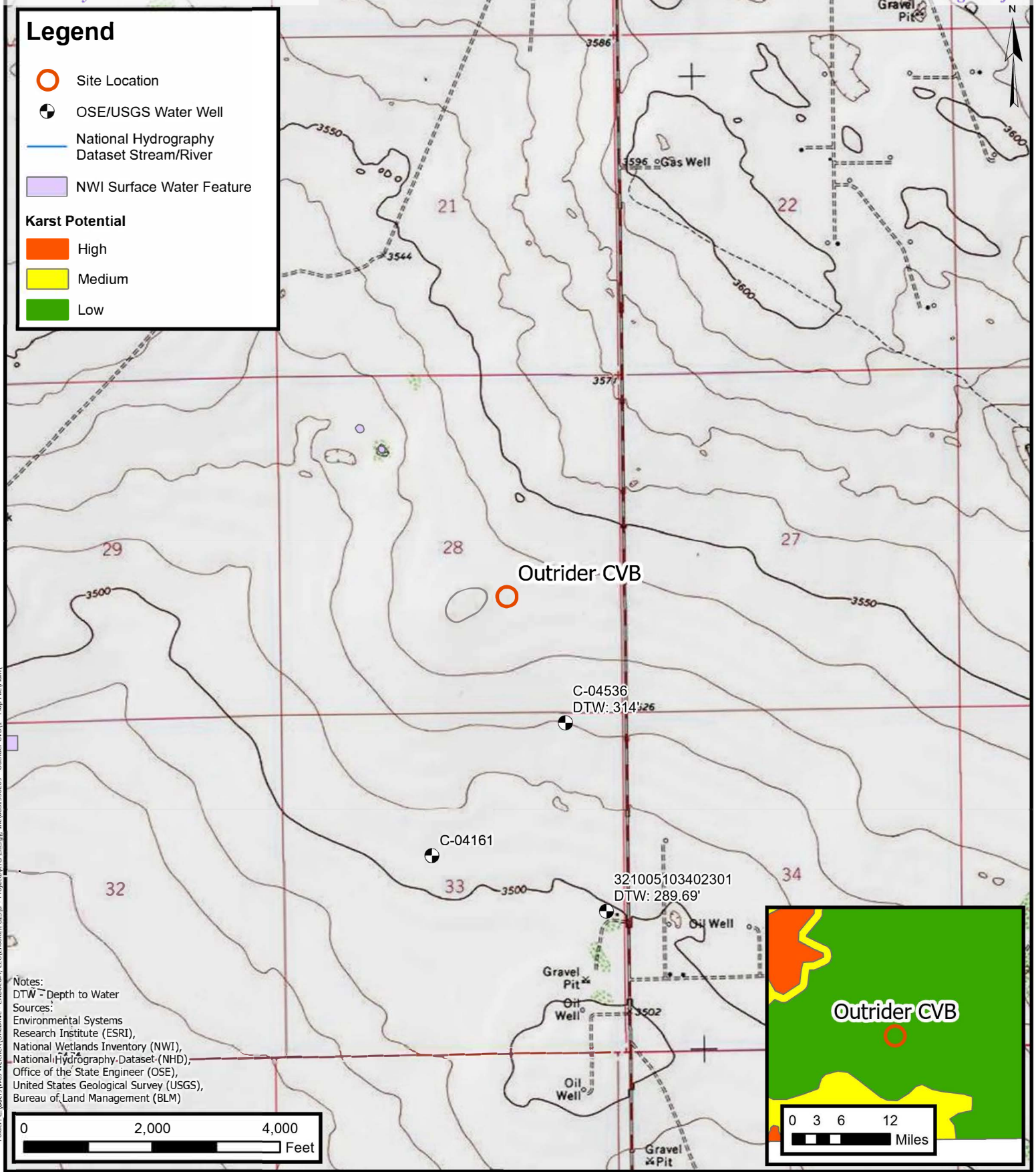
cc: Garrett Green, XTO  
Tommee Lambert, XTO  
Bureau of Land Management

### Appendices:

|            |  |
|------------|--|
| Figure 1   | Site Receptor Map  |
| Figure 2   | Delineation Soil Sample Locations                              |
| Figure 3   | Excavation Soil Sample Locations                               |
| Table 1    | Soil Sample Analytical Results                                 |
| Appendix A | Referenced Well Records  |
| Appendix B | Photographic Log   |
| Appendix C | Lithologic / Soil Sampling Logs                                |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix E | NMOCD Notifications  |



FIGURES



## Site Receptor Map

XTO Energy, Inc  
Outrider CVB  
Incident Number: NAPP2330651127  
Unit J, Sec 28, T24S, R32E  
Lea Co, New Mexico, United States

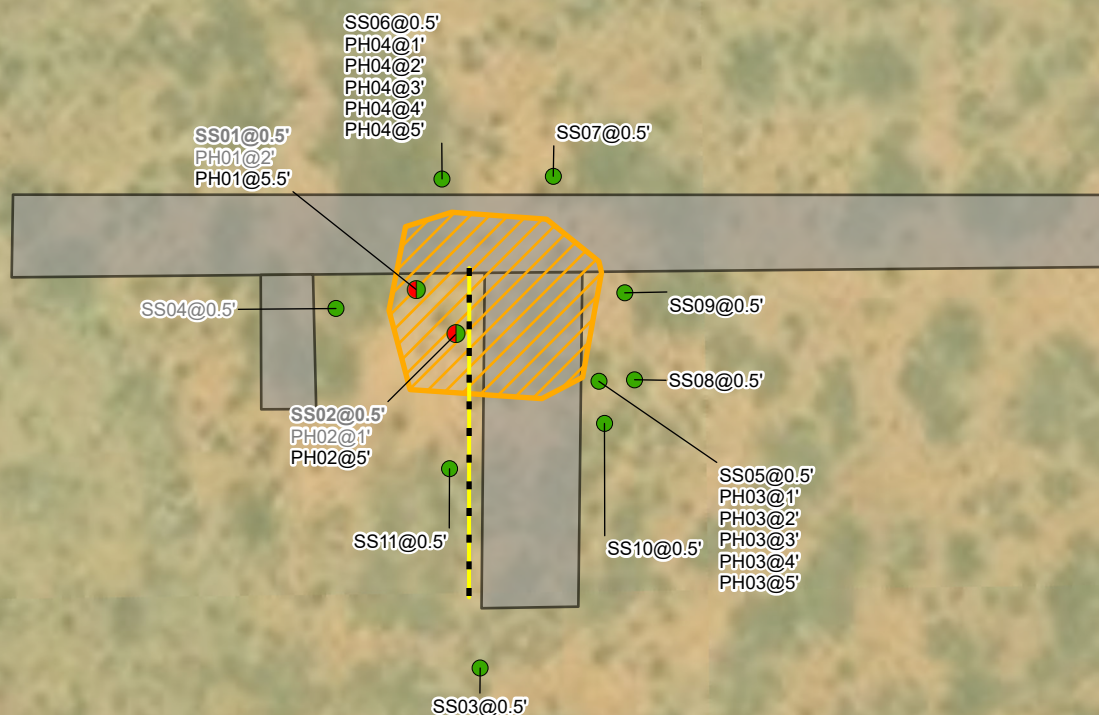
FIGURE

1

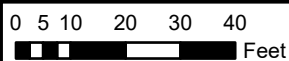


**Legend**

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Pipeline
- Release Extent
- Production Equipment
- Facility Pad Boundary

**Notes:**

Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.  
 Grey text indicate soil sample was removed during excavation activities.



Sources: Environmental Systems Research Institute (ESRI)

**Delineation Soil Sample Locations**

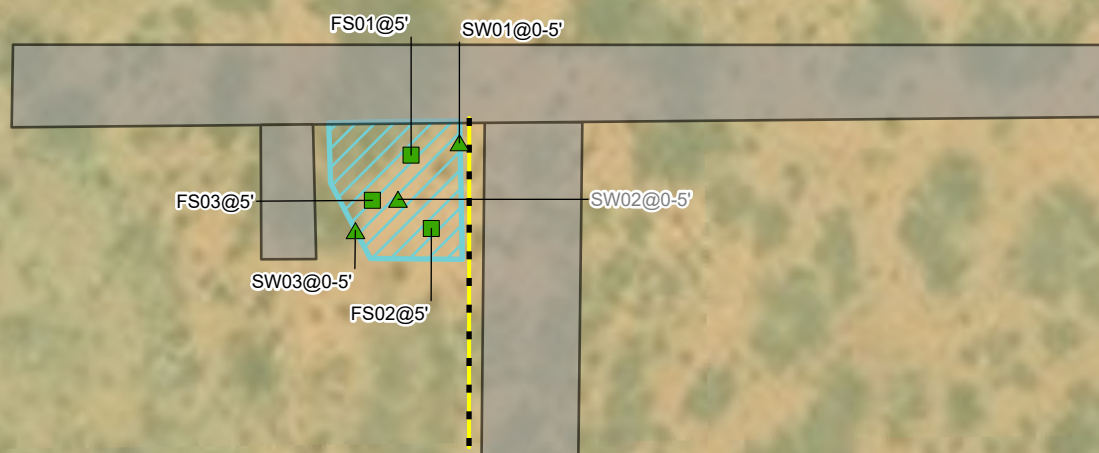
XTO Energy, Inc  
 Outrider CVB  
 Incident Number: NAPP2330651127  
 Unit J, Sec 28, T24S, R32E  
 Lea County, New Mexico

**FIGURE**  
**2**



**Legend**

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Pipeline
- Production Equipment
- Facility Pad Boundary
- Excavation Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Grey text indicate soil sample was removed during excavation activities.

0 5 10 20 30 40  
 Feet

Sources: Environmental Systems Research Institute (ESRI)



## Excavation Soil Sample Locations

XTO Energy, Inc  
 Outrider CVB  
 Incident Number: NAPP2330651127  
 Unit J, Sec 28, T24S, R32E  
 Lea County, New Mexico

**FIGURE**

**3**



TABLES





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Outrider CVB  
 XTO Energy, Inc  
 Lea County, New Mexico

| Sample I.D.                                    | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|-------------|-------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |             |                         | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Delineation Soil Samples                       |             |                         |                 |                    |                 |                 |                 |                 |                   |                  |
| SS01   | 11/08/2023  | 0.5                     | 0.00569         | 0.763              | 656             | 3,560           | 150             | 4,220           | 4,370             | 52.0             |
| PH01   | 11/15/2023  | 2                       | <0.00198        | <0.00396           | <50.4           | <50.4           | <50.4           | <50.4           | <50.4             | 7.74             |
| PH01   | 11/15/2023  | 5.5                     | <0.00200        | <0.00399           | <50.4           | <50.4           | <50.4           | <50.4           | <50.4             | 10.2             |
| SS02   | 11/08/2023  | 0.5                     | 0.00206         | 21.6               | 262             | 2,460           | 120             | 2,720           | 2,840             | 250              |
| PH02   | 11/15/2023  | 1                       | <0.00200        | <0.00401           | <50.4           | 67.3            | <50.4           | 67.3            | 67.3              | 19.6             |
| PH02   | 11/15/2023  | 5                       | <0.00202        | <0.00403           | <50.5           | 59.5            | <50.5           | 59.5            | 59.5              | 35.5             |
| SS03   | 11/08/2023  | 0.5                     | <0.00199        | <0.00398           | <49.6           | 64.7            | <49.6           | 64.7            | 64.7              | 77.4             |
| SS04   | 11/08/2023  | 0.5                     | <0.00199        | <0.00398           | <49.8           | 117             | <49.8           | 117             | 117               | 48.1             |
| SS05   | 11/08/2023  | 0.5                     | <0.00200        | <0.00399           | <50.4           | 114             | <50.4           | 114             | 114               | 33.7             |
| PH03   | 11/16/2023  | 1                       | <0.00199        | <0.00398           | <49.6           | <49.6           | <49.6           | <49.6           | <49.6             | 8.84             |
| PH03   | 11/16/2023  | 2                       | <0.00198        | <0.00397           | <50.5           | <50.5           | <50.5           | <50.5           | <50.5             | <4.95            |
| PH03   | 11/16/2023  | 3                       | <0.00200        | <0.00399           | <49.9           | <49.9           | <49.9           | <49.9           | <49.9             | <5.02            |
| PH03   | 11/16/2023  | 4                       | <0.00198        | <0.00396           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 13.0             |
| PH03   | 11/16/2023  | 5                       | <0.00202        | <0.00403           | <49.6           | <49.6           | <49.6           | <49.6           | <49.6             | 6.06             |
| SS06   | 11/08/2023  | 0.5                     | <0.00202        | <0.00403           | <50.5           | 56.9            | <50.5           | 56.9            | 56.9              | 100              |
| PH04   | 11/16/2023  | 1                       | <0.00200        | <0.00401           | <50.3           | <50.3           | <50.3           | <50.3           | <50.3             | 23.8             |
| PH04   | 11/16/2023  | 2                       | <0.00201        | <0.00402           | <50.1           | <50.1           | <50.1           | <50.1           | <50.1             | <4.96            |
| PH04   | 11/16/2023  | 3                       | <0.00200        | <0.00401           | <50.4           | <50.4           | <50.4           | <50.4           | <50.4             | <5.02            |
| PH04   | 11/16/2023  | 4                       | <0.00199        | <0.00398           | <50.5           | <50.5           | <50.5           | <50.5           | <50.5             | <5.01            |
| PH04   | 11/16/2023  | 5                       | <0.00199        | <0.00398           | <49.9           | <49.9           | <49.9           | <49.9           | <49.9             | 5.06             |
| SS07   | 12/11/2023  | 0.5                     | <0.00202        | <0.00403           | <49.8           | <49.8           | <49.8           | <49.8           | <49.8             | 127              |
| SS08   | 12/11/2023  | 0.5                     | <0.00198        | <0.00396           | <50.5           | <50.5           | <50.5           | <50.5           | <50.5             | 69.0             |
| SS09   | 12/11/2023  | 0.5                     | <0.00201        | <0.00402           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 74.5             |
| SS10   | 12/11/2023  | 0.5                     | <0.00199        | <0.00398           | <49.6           | <49.6           | <49.6           | <49.6           | <49.6             | 84.3             |
| SS11   | 12/11/2023  | 0.5                     | <0.00200        | <0.00399           | <50.3           | <50.3           | <50.3           | <50.3           | <50.3             | 84.8             |
| Confirmation Soil Samples                      |             |                         |                 |                    |                 |                 |                 |                 |                   |                  |
| FS01   | 11/16/2023  | 5                       | <0.00199        | <0.00398           | <50.0           | 160             | <50.0           | 160             | 160               | 11.6             |
| FS02   | 11/16/2023  | 5                       | <0.00202        | <0.00404           | <49.8           | <49.8           | <49.8           | <49.8           | <49.8             | 10.5             |



TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
Outrider CVB  
XTO Energy, Inc  
Lea County, New Mexico

| Sample I.D.                                    | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|-------------|-------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |             |                         | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| FS03   | 12/11/2023  | 5                       | <0.00201        | <0.00402           | <50.1           | <50.1           | <50.1           | <50.1           | <50.1             | <4.97            |
| SW01   | 11/16/2023  | 0 - 5                   | <0.00201        | 0.0530             | 83.2            | 598             | 57.8            | 681             | 739               | 25.7             |
| SW02   | 11/16/2023  | 0 - 5                   | <0.00200        | 0.177              | 76.8            | 619             | 65.7            | 696             | 762               | 28.0             |
| SW03   | 12/11/2023  | 0 - 5                   | <0.00200        | <0.00400           | <49.7           | <49.7           | <49.7           | <49.7           | <49.7             | 7.17             |

## Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



## APPENDIX A

### Referenced Well Records

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE DTI JUL 9 2021 PM 1:52

OSE DTI JUN 21 2021 PM 10:14

|   |   |                            |   |  |  |   |                                |
|---|---|----------------------------|---|--|--|---|--------------------------------|
| 1. GENERAL AND WELL LOCATION  | OSE POD NO. (WELL NO.)<br><b>C-4536-POD 1</b>   |                            | WELL TAG ID NO.<br>20E37                  |  | OSE FILE NO(S)<br>C-4536 ✓                       |   |                                |
|   | WELL OWNER NAME(S)<br>BASIN PROPERTIES RANCHES LLC  |                            |   |  | PHONE (OPTIONAL)                                 |   |                                |
|   | WELL OWNER MAILING ADDRESS<br>3300 N A STREET, BLDG 1, STE 220  |                            |   |  | CITY<br>MIDLAND                                  | STATE<br>TX   |                                |
|   |   |                            |   |  | ZIP<br>79705                                     |   |                                |
| WELL LOCATION (FROM GPS)  | DEGREES<br>32   |                            | MINUTES<br>10                             | SECONDS<br>50.8  | N  |   |                                |
|   | LONGITUDE<br>103  |                            | 40  | 25.9   | W  |   |                                |
|   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>* DATUM REQUIRED: WGS 84  |                            |   |  |  |   |                                |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE |   |                            |   |  |  |   |                                |
| 2. DRILLING & CASING INFORMATION  | LICENSE NO.<br>WD1706   |                            | NAME OF LICENSED DRILLER<br>Bryce Wallace |  |  | NAME OF WELL DRILLING COMPANY<br>Elite Drillers Corporation |                                |
|   | DRILLING STARTED<br>06/09/21  | DRILLING ENDED<br>06/10/21 | DEPTH OF COMPLETED WELL (FT)<br>500       | BORE HOLE DEPTH (FT)<br>500  | DEPTH WATER FIRST ENCOUNTERED (FT)<br>314        |   |                                |
|   | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)                           |                            |   |  | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>314 |   |                                |
|   | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:   |                            |   |  |  |   |                                |
|   | DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: |                            |   |  |  |   |                                |
|   | DEPTH (feet bgl)  |                            | BORE HOLE DIAM (inches)                   | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter)   | CASING INSIDE DIAM. (inches)                                | CASING WALL THICKNESS (inches) |
|   | FROM  | TO                         |   |  |  |   |                                |
|   | 0   | 20                         | 12 3/4                                    | STEEL  | N/A  | 8.28  | .337                           |
|   | 0   | 300                        | 7 7/8                                     | SDR17 PVC  | SPLINE   | 4.3   | SDR17                          |
|   | 300   | 500                        | 7 7/8                                     | SDR17 PVC  | SPLINE   | 4.3   | SDR17                          |
|   |   |                            |   |  |  |   |                                |
|   |   |                            |   |  |  |   |                                |
|   |   |                            |   |  |  |   |                                |
|   |   |                            |   |  |  |   |                                |
| 3. ANNULAR MATERIAL   | DEPTH (feet bgl)  |                            | BORE HOLE DIAM. (inches)                  | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL                      | AMOUNT (cubic feet)                              | METHOD OF PLACEMENT   |                                |
|   | FROM  | TO                         |   |  |  |   |                                |
|   | 0   | 20                         | 12 3/4                                    | CEMENT   | 10   | TOP FILL  |                                |
|   | 0   | 20                         | 7 7/8                                     | CEMENT   | 6  | TOP FILL  |                                |
|   | 300   | 500                        | 7 7/8                                     | 8/16 SILICA SAND   | 46   | TOP FILL  |                                |
|   |   |                            |   |  |  |   |                                |
|   |   |                            |   |  |  |   |                                |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

|                                  |                              |                       |
|----------------------------------|------------------------------|-----------------------|
| FILE NO. <b>C-4536-POD 1</b>     | POD NO. <b>1</b>             | TRN NO. <b>695378</b> |
| LOCATION <b>STK 24.32.33.122</b> | WELL TAG ID NO. <b>20E37</b> | PAGE 1 OF 2           |

DSE DTI JUN 21 2021 RM10:14

#### 4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE



## APPENDIX B

### Photographic Log

---



**Photographic Log**

XTO Energy, INC.

Outrider CVB

Incident Number NAPP2330651127



Photograph: 1 Date: 11/9/2023  
Description: Site assessment, release extent area.  
View: North



Photograph: 2 Date: 11/15/2023  
Description: Site assessment, release extent area.  
View: East



Photograph: 3 Date: 12/11/2023  
Description: Final excavation extent  
View: Northwest



Photograph: 4 Date: 12/11/2023  
Description: Final excavation extent  
View: Southeast





**Photographic Log**

XTO Energy, INC.

Outrider CVB

Incident Number NAPP2330651127



Photograph: 5      Date: 1/12/2024  
Description: Excavation backfilled.  
View: Northeast



Photograph: 6      Date: 1/12/2024  
Description: Excavation backfilled.  
View: South








## APPENDIX C


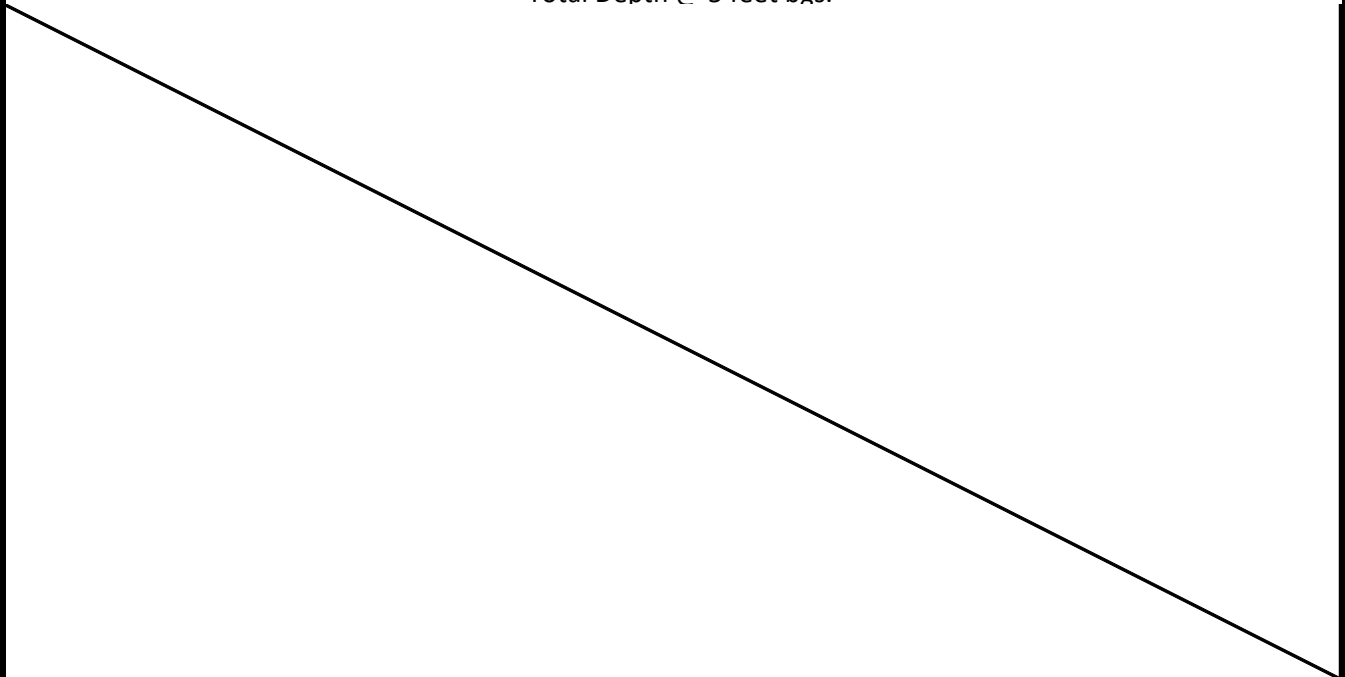
### Lithologic Soil Sampling Logs

---

|  <b>ENSOLUM</b>   |                | Sample Name: SS01/PH01          |                          | Date: 11/15/23 |                       |                |                  |  |
|--|----------------|---------------------------------|--------------------------|----------------|-----------------------|----------------|------------------|--|
|  |                | Site Name: Outrider CVB         |                          |                |                       |                |                  |  |
|  |                | Incident Number: NAPP2330651127 |                          |                |                       |                |                  |  |
|  |                | Job Number: 03C1558289          |                          |                |                       |                |                  |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |                                 |                          |                |                       |                |                  |  |
| Coordinates: 32.186225, -103.676775  |                |                                 | Logged By: Sarah Welvang |                | Method: Backhoe       |                |                  |  |
|  |                |                                 | Hole Diameter: ~2'       |                | Total Depth: 5.5' bgs |                |                  |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. NS=Not Screened. |                |                                 |                          |                |                       |                |                  |  |
| Moisture Content   | Chloride (ppm) | Vapor (ppm)                     | Staining                 | Sample ID      | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions  |
| D  | <162           | NS                              | Y                        | SS01           | 0.5                   | 0              | CCHE             | 0'-1' CALICHE, moist, tan, unconsolidated fill, mild staining, mild H/C odor.  |
| D  | <162           | 342                             | Y                        |                | 1                     | 1              | SP               | 1'-5.5' SAND, very fine, reddish brown, trace silt, mild staining and mild H/C odor.<br><br>2'-5.5' No staining.<br><br><br><br>5'-5.5' No H/C odor. |
| D  | <162           | 367                             | N                        | PH01           | 2                     | 2              |                  |  |
| D  | <162           | 268                             | N                        |                | 3                     | 3              |                  |  |
| D  | <162           | 154                             | N                        |                | 4                     | 4              |                  |  |
| D  | <162           | 110                             | N                        |                | 5                     | 5              |                  |  |
| D  | <162           | 3.2                             | N                        | PH01           | 5.5                   |                |                  |  |
| Total depth @ 5.5 feet bgs.  |                |                                 |                          |                |                       |                |                  |  |

|  <b>ENSOLUM</b>   |                | Sample Name: SS02/PH02          |                          | Date: 11/15/23 |                       |                           |                  |  |
|--|----------------|---------------------------------|--------------------------|----------------|-----------------------|---------------------------|------------------|--|
|  |                | Site Name: Outrider CVB         |                          |                |                       |                           |                  |  |
|  |                | Incident Number: NAPP2330651127 |                          |                |                       |                           |                  |  |
|  |                | Job Number: 03C1558289          |                          |                |                       |                           |                  |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |                                 |                          |                |                       |                           |                  |  |
| Coordinates: 32.186204,-103.676752   |                |                                 | Logged By: Sarah Welvang |                | Method: Backhoe       |                           |                  |  |
|  |                |                                 | Hole Diameter: ~2'       |                | Total Depth: 5' bgs   |                           |                  |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. NS=Not Screened. |                |                                 |                          |                |                       |                           |                  |  |
| Moisture Content   | Chloride (ppm) | Vapor (ppm)                     | Staining                 | Sample ID      | Sample Depth (ft bgs) | Depth (ft bgs)            | USCS/Rock Symbol | Lithologic Descriptions  |
| D  | 302            | NS                              | Y                        | SS02           | 0.5                   | 0                         | CCHE             | 0'-1' CALICHE, moist, tan, unconsolidated fill, mild staining, mild H/C odor.      |
| D  | <162           | 586                             | Y                        | PH02           | 1                     | 1                         | SP               | 1'-5' SAND, very fine, reddish brown, trace silt, mild staining and mild H/C odor. |
| D  | <162           | 420                             | N                        |                | 2                     | 2                         |                  | 2'-5' No staining.   |
| D  | <162           | 365                             | N                        |                | 3                     | 3                         |                  |  |
| D  | <162           | 110                             | N                        |                | 4                     | 4                         |                  |  |
| D  | <162           | 2.6                             | N                        | PH02           | 5                     | 5                         |                  | 5', No H/C odor.   |
|  |                |                                 |                          |                |                       | Total Depth @ 5 feet bgs. |                  |  |

|   |                |             |          |           |                       |                |                  | Sample Name: SS05/PH03  |  | Date: 11/15/23      |  |
|--|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---|--|---------------------|--|
|  |                |             |          |           |                       |                |                  | Site Name: Outrider CVB   |  |                     |  |
|  |                |             |          |           |                       |                |                  | Incident Number: NAPP2330651127   |  |                     |  |
|  |                |             |          |           |                       |                |                  | Job Number: 03C1558289  |  |                     |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |             |          |           |                       |                |                  | Logged By: Sarah Welvang  |  | Method: Backhoe     |  |
| Coordinates: 32.186178,-103.676668   |                |             |          |           |                       |                |                  | Hole Diameter: ~2'  |  | Total Depth: 5' bgs |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. NS=Not Screened. |                |             |          |           |                       |                |                  |   |  |                     |  |
| Moisture Content   | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions   |  |                     |  |
| D  | 302            | NS          | N        | SS05      | 0.5                   | 0              | CCHE             | 0'-1' CALICHE, moist, tan, unconsolidated fill, no staining, no odor.   |  |                     |  |
| D  | <162           | 12.8        | N        | PH03      | 1                     | 1              | SP               | 1'-5' SAND, very fine, reddish brown, trace silt, no staining, no odor. |  |                     |  |
| D  | <162           | 0.5         | N        | PH03      | 2                     | 2              |                  |   |  |                     |  |
| D  | <162           | 2.2         | N        | PH03      | 3                     | 3              |                  |   |  |                     |  |
| D  | <162           | 1.1         | N        | PH03      | 4                     | 4              |                  |   |  |                     |  |
| D  | <162           | 1.5         | N        | PH03      | 5                     | 5              |                  |   |  |                     |  |
| Total Depth @ 5 feet bgs.  |                |             |          |           |                       |                |                  |   |  |                     |  |

|  <b>ENSOLUM</b>   |                | Sample Name: SS06/PH04          |                          | Date: 11/15/23 |                       |  |                  |   |
|--|----------------|---------------------------------|--------------------------|----------------|-----------------------|--|------------------|---|
|  |                | Site Name: Outrider CVB         |                          |                |                       |  |                  |   |
|  |                | Incident Number: NAPP2330651127 |                          |                |                       |  |                  |   |
|  |                | Job Number: 03C1558289          |                          |                |                       |  |                  |   |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>  |                |                                 |                          |                |                       |  |                  |   |
| Coordinates: 32.186281,-103.676758   |                |                                 | Logged By: Sarah Welvang |                | Method: Backhoe       |  |                  |   |
|  |                |                                 | Hole Diameter: ~2'       |                | Total Depth: 5' bgs   |  |                  |   |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. NS=Not Screened. |                |                                 |                          |                |                       |  |                  |   |
| Moisture Content   | Chloride (ppm) | Vapor (ppm)                     | Staining                 | Sample ID      | Sample Depth (ft bgs) | Depth (ft bgs)   | USCS/Rock Symbol | Lithologic Descriptions   |
| D  | <162           | NS                              | N                        | SS06           | 0.5                   | 0  | CCHE             | 0'-1' CALICHE, moist, tan, unconsolidated fill, no staining, no odor.   |
| D  | <162           | 0.1                             | N                        | PH04           | 1                     | 1  | SP               | 1'-5' SAND, very fine, reddish brown, trace silt, no staining, no odor. |
| D  | <162           | 0.0                             | N                        | PH04           | 2                     | 2  |                  |   |
| D  | <162           | 0.0                             | N                        | PH04           | 3                     | 3  |                  |   |
| D  | <162           | 0.1                             | N                        | PH04           | 4                     | 4  |                  |   |
| D  | <162           | 0.0                             | N                        | PH04           | 5                     | 5  |                  |   |
| Total Depth @ 5 feet bgs.  |                |                                 |                          |                |                       |  |                  |   |
|  |                |                                 |                          |                |                       |  |                  |   |
|  |                |                                 |                          |                |                       |  |                  |   |
|  |                |                                 |                          |                |                       |  |                  |   |



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

---



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 11/22/2023 11:19:36 AM

## JOB DESCRIPTION

Outrider CVB

03C1558289

## JOB NUMBER

890-5607-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
11/22/2023 11:19:36 AM

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



Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5607-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

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: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

**Job ID: 890-5607-1**

**Laboratory: Eurofins Carlsbad**

**Narrative****Job Narrative  
890-5607-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 11/9/2023 2:33 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 6.4°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-5607-1) and SS 02 (890-5607-2).

**GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 01 (890-5607-1) and SS 02 (890-5607-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-67531/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS 02 (890-5607-2). 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.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-35343-A-1-F), (880-35343-A-1-G MS) and (880-35343-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SS 01 (890-5607-1) and SS 02 (890-5607-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-67028 and analytical batch 880-67152. The associated laboratory control sample (LCS) met acceptance criteria.

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: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

Client Sample ID: SS 01

Lab Sample ID: 890-5607-1

Date Collected: 11/08/23 10:15

Matrix: Solid

Date Received: 11/09/23 14:33

Sample Depth: 0.5'

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

| Analyte             | Result  | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | 0.00569 |           | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| Toluene             | 0.0720  |           | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| Ethylbenzene        | 0.0242  |           | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| m-Xylene & p-Xylene | 0.413   |           | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| o-Xylene            | 0.248   |           | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| Xylenes, Total      | 0.661   |           | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 20:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 5         | S1-       | 70 - 130 | 11/15/23 11:41 | 11/16/23 20:04 | 1       |

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

| Analyte    | Result | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.763  |           | 0.00398 | mg/Kg |   |          | 11/16/23 20:04 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 4370   |           | 50.4 | mg/Kg |   |          | 11/16/23 17:44 | 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 | 656    |           | 50.4 | mg/Kg |   | 11/15/23 09:52 | 11/16/23 17:44 | 1       |
| Diesel Range Organics (Over C10-C28) | 3560   |           | 50.4 | mg/Kg |   | 11/15/23 09:52 | 11/16/23 17:44 | 1       |
| Oil Range Organics (Over C28-C36)    | 150    |           | 50.4 | mg/Kg |   | 11/15/23 09:52 | 11/16/23 17:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96        |           | 70 - 130 | 11/15/23 09:52 | 11/16/23 17:44 | 1       |
| o-Terphenyl    | 59        | S1-       | 70 - 130 | 11/15/23 09:52 | 11/16/23 17:44 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 52.0   |           | 5.03 | mg/Kg |   |          | 11/14/23 15:22 | 1       |

Client Sample ID: SS 02

Lab Sample ID: 890-5607-2

Date Collected: 11/08/23 10:20

Matrix: Solid

Date Received: 11/09/23 14:33

Sample Depth: 0.5'

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

| Analyte             | Result  | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | 0.00206 |           | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:25 | 1       |
| Toluene             | 0.0982  |           | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:25 | 1       |
| Ethylbenzene        | 0.115   |           | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 20:25 | 1       |
| m-Xylene & p-Xylene | 16.6    |           | 0.402   | mg/Kg |   | 11/20/23 09:23 | 11/21/23 14:59 | 100     |
| o-Xylene            | 4.80    |           | 0.201   | mg/Kg |   | 11/20/23 09:23 | 11/21/23 14:59 | 100     |
| Xylenes, Total      | 21.4    |           | 0.402   | mg/Kg |   | 11/20/23 09:23 | 11/21/23 14:59 | 100     |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

Client Sample ID: SS 02

Lab Sample ID: 890-5607-2

Date Collected: 11/08/23 10:20

Matrix: Solid

Date Received: 11/09/23 14:33

Sample Depth: 0.5'

| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr)                               | 87        |           | 70 - 130 |       |   | 11/15/23 11:41 | 11/16/23 20:25 | 1       |
| 1,4-Difluorobenzene (Surr)                                | 9         | S1-       | 70 - 130 |       |   | 11/15/23 11:41 | 11/16/23 20:25 | 1       |
| Method: TAL SOP Total BTEX - Total BTEX Calculation       |           |           |          |       |   |                |                |         |
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX  | 21.6      |           | 0.402    | mg/Kg |   |                | 11/21/23 14:59 | 1       |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |       |   |                |                |         |
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH   | 2840      |           | 49.7     | mg/Kg |   |                | 11/16/23 18:05 | 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                      | 262       |           | 49.7     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 18:05 | 1       |
| Diesel Range Organics (Over C10-C28)                      | 2460      |           | 49.7     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 18:05 | 1       |
| Oil Range Organics (Over C28-C36)                         | 120       |           | 49.7     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 18:05 | 1       |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane  | 65        | S1-       | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 18:05 | 1       |
| o-Terphenyl   | 40        | S1-       | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 18:05 | 1       |
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble  |           |           |          |       |   |                |                |         |
| Analyte   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Chloride  | 250       |           | 5.02     | mg/Kg |   |                | 11/14/23 15:27 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-35797-A-81-B MS               | Matrix Spike           | 103  | 98                |
| 880-35797-A-81-C MSD              | Matrix Spike Duplicate | 90   | 108               |
| 890-5607-1                        | SS 01                  | 80   | 5 S1-             |
| 890-5607-2                        | SS 02                  | 87   | 9 S1-             |
| 890-5658-A-1-M MS                 | Matrix Spike           | 116  | 112               |
| 890-5658-A-1-N MSD                | Matrix Spike Duplicate | 111  | 113               |
| LCS 880-67061/1-A                 | Lab Control Sample     | 99   | 116               |
| LCS 880-67374/1-B                 | Lab Control Sample     | 122  | 117               |
| LCSD 880-67061/2-A                | Lab Control Sample Dup | 105  | 110               |
| LCSD 880-67374/2-B                | Lab Control Sample Dup | 115  | 118               |
| MB 880-67061/5-A                  | Method Blank           | 117  | 154 S1+           |
| MB 880-67094/5-A                  | Method Blank           | 114  | 119               |
| MB 880-67374/5-B                  | Method Blank           | 72   | 99                |
| <b>Surrogate Legend</b>           |                        |  |                   |
| 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<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-35343-A-1-G MS      | Matrix Spike           | 2 S1-  | 0.2 S1-           |
| 880-35343-A-1-H MSD     | Matrix Spike Duplicate | 2 S1-  | 0.2 S1-           |
| 890-5607-1              | SS 01                  | 96   | 59 S1-            |
| 890-5607-2              | SS 02                  | 65 S1-   | 40 S1-            |
| LCS 880-67028/2-A       | Lab Control Sample     | 97   | 112               |
| LCSD 880-67028/3-A      | Lab Control Sample Dup | 92   | 105               |
| MB 880-67028/1-A        | Method Blank           | 109  | 124               |
| <b>Surrogate Legend</b> |                        |  |                   |
| 1CO = 1-Chlorooctane    |                        |  |                   |
| OTPH = o-Terphenyl      |                        |  |                   |

## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67061/5-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117             |                 | 70 - 130 | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 154             | S1+             | 70 - 130 | 11/15/23 11:41 | 11/16/23 12:38 | 1       |

Lab Sample ID: LCS 880-67061/1-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1235        |                  | mg/Kg |   | 124  | 70 - 130       |
| Toluene             | 0.100          | 0.08522       |                  | mg/Kg |   | 85   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08726       |                  | mg/Kg |   | 87   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1904        |                  | mg/Kg |   | 95   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09465       |                  | mg/Kg |   | 95   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 116              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-67061/2-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1191         |                   | mg/Kg |   | 119  | 70 - 130       | 4   | 35           |
| Toluene             | 0.100          | 0.08593        |                   | mg/Kg |   | 86   | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.08452        |                   | mg/Kg |   | 85   | 70 - 130       | 3   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1801         |                   | mg/Kg |   | 90   | 70 - 130       | 6   | 35           |
| o-Xylene            | 0.100          | 0.09651        |                   | mg/Kg |   | 97   | 70 - 130       | 2   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110               |                   | 70 - 130 |

Lab Sample ID: 880-35797-A-81-B MS

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67061

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00199         | U                   | 0.0996         | 0.08388      |                 | mg/Kg |   | 84   | 70 - 130       |
| Toluene | <0.00199         | U F1                | 0.0996         | 0.06167      | F1              | mg/Kg |   | 62   | 70 - 130       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Lab Sample ID: 880-35797-A-81-B MS

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00199      | U F1             | 0.0996      | 0.06371   | F1           | mg/Kg |   | 64   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.199       | 0.1444    |              | mg/Kg |   | 72   | 70 - 130    |
| o-Xylene            | <0.00199      | U F1             | 0.0996      | 0.07765   |              | mg/Kg |   | 78   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 |

Lab Sample ID: 880-35797-A-81-C MSD

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00199      | U                | 0.100       | 0.08417    |               | mg/Kg |   | 84   | 70 - 130    | 0   | 35        |
| Toluene             | <0.00199      | U F1             | 0.100       | 0.06025    | F1            | mg/Kg |   | 60   | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00199      | U F1             | 0.100       | 0.05329    | F1            | mg/Kg |   | 53   | 70 - 130    | 18  | 35        |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.200       | 0.1270     | F1            | mg/Kg |   | 63   | 70 - 130    | 13  | 35        |
| o-Xylene            | <0.00199      | U F1             | 0.100       | 0.06890    | F1            | mg/Kg |   | 69   | 70 - 130    | 12  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 90            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130 |

Lab Sample ID: MB 880-67094/5-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67094

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114          |              | 70 - 130 | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 119          |              | 70 - 130 | 11/15/23 13:29 | 11/16/23 00:55 | 1       |

Lab Sample ID: MB 880-67374/5-B

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67374

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67374/5-B

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67374

| Analyte                     | MB        | MB        | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
|                             | Result    | Qualifier |          |       |   |                |                |         |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| Surrogate                   | MB        | MB        | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|                             | %Recovery | Qualifier |          |       |   |                |                |         |
| 4-Bromofluorobenzene (Surr) | 72        |           | 70 - 130 |       |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |       |   | 11/20/23 09:23 | 11/21/23 12:34 | 1       |

Lab Sample ID: LCS 880-67374/1-B

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67374

| Analyte                     | Spike<br>Added | LCS       | LCS       | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------|----------------|-----------|-----------|-------|---|------|----------------|--|--|
|                             |                | Result    | Qualifier |       |   |      |                |  |  |
| Benzene                     | 0.100          | 0.1166    |           | mg/Kg |   | 117  | 70 - 130       |  |  |
| Toluene                     | 0.100          | 0.1091    |           | mg/Kg |   | 109  | 70 - 130       |  |  |
| Ethylbenzene                | 0.100          | 0.1115    |           | mg/Kg |   | 111  | 70 - 130       |  |  |
| m-Xylene & p-Xylene         | 0.200          | 0.2372    |           | mg/Kg |   | 119  | 70 - 130       |  |  |
| o-Xylene                    | 0.100          | 0.1130    |           | mg/Kg |   | 113  | 70 - 130       |  |  |
| Surrogate                   | LCS            | LCS       | Limits    |       |   |      |                |  |  |
|                             | %Recovery      | Qualifier |           |       |   |      |                |  |  |
| 4-Bromofluorobenzene (Surr) | 122            |           | 70 - 130  |       |   |      |                |  |  |
| 1,4-Difluorobenzene (Surr)  | 117            |           | 70 - 130  |       |   |      |                |  |  |

Lab Sample ID: LCSD 880-67374/2-B

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67374

| Analyte                     | Spike<br>Added | LCSD      | LCSD      | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------|----------------|-----------|-----------|-------|---|------|----------------|-----|--------------|
|                             |                | Result    | Qualifier |       |   |      |                |     |              |
| Benzene                     | 0.100          | 0.1102    |           | mg/Kg |   | 110  | 70 - 130       | 6   | 35           |
| Toluene                     | 0.100          | 0.1037    |           | mg/Kg |   | 104  | 70 - 130       | 5   | 35           |
| Ethylbenzene                | 0.100          | 0.1015    |           | mg/Kg |   | 101  | 70 - 130       | 9   | 35           |
| m-Xylene & p-Xylene         | 0.200          | 0.2175    |           | mg/Kg |   | 109  | 70 - 130       | 9   | 35           |
| o-Xylene                    | 0.100          | 0.1041    |           | mg/Kg |   | 104  | 70 - 130       | 8   | 35           |
| Surrogate                   | LCSD           | LCSD      | Limits    |       |   |      |                |     |              |
|                             | %Recovery      | Qualifier |           |       |   |      |                |     |              |
| 4-Bromofluorobenzene (Surr) | 115            |           | 70 - 130  |       |   |      |                |     |              |
| 1,4-Difluorobenzene (Surr)  | 118            |           | 70 - 130  |       |   |      |                |     |              |

Lab Sample ID: 890-5658-A-1-M MS

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67374

| Analyte             | Sample   | Sample    | Spike<br>Added | MS      | MS        | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|---------------------|----------|-----------|----------------|---------|-----------|-------|---|------|----------------|--|--|
|                     | Result   | Qualifier |                | Result  | Qualifier |       |   |      |                |  |  |
| Benzene             | <0.00199 | U         | 0.0990         | 0.1082  |           | mg/Kg |   | 109  | 70 - 130       |  |  |
| Toluene             | <0.00199 | U         | 0.0990         | 0.08862 |           | mg/Kg |   | 90   | 70 - 130       |  |  |
| Ethylbenzene        | <0.00199 | U         | 0.0990         | 0.08971 |           | mg/Kg |   | 91   | 70 - 130       |  |  |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.198          | 0.1806  |           | mg/Kg |   | 91   | 70 - 130       |  |  |
| o-Xylene            | <0.00199 | U         | 0.0990         | 0.09339 |           | mg/Kg |   | 94   | 70 - 130       |  |  |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5658-A-1-M MS

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67374

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |

Lab Sample ID: 890-5658-A-1-N MSD

Matrix: Solid

Analysis Batch: 67531

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67374

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00199      | U                | 0.100       | 0.1083     |               | mg/Kg |   | 108  | 70 - 130    | 0   | 35        |
| Toluene             | <0.00199      | U                | 0.100       | 0.08077    |               | mg/Kg |   | 80   | 70 - 130    | 9   | 35        |
| Ethylbenzene        | <0.00199      | U                | 0.100       | 0.08206    |               | mg/Kg |   | 82   | 70 - 130    | 9   | 35        |
| m-Xylene & p-Xylene | <0.00398      | U                | 0.201       | 0.1645     |               | mg/Kg |   | 82   | 70 - 130    | 9   | 35        |
| o-Xylene            | <0.00199      | U                | 0.100       | 0.08990    |               | mg/Kg |   | 90   | 70 - 130    | 4   | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 |

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

Lab Sample ID: MB 880-67028/1-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67028

| 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 |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |

|                | MB        | MB        |          |                |                |         |  |  |
|----------------|-----------|-----------|----------|----------------|----------------|---------|--|--|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |
| 1-Chlorooctane | 109       |           | 70 - 130 | 11/15/23 09:52 | 11/16/23 07:31 | 1       |  |  |
| o-Terphenyl    | 124       |           | 70 - 130 | 11/15/23 09:52 | 11/16/23 07:31 | 1       |  |  |

Lab Sample ID: LCS 880-67028/2-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1059       |               | mg/Kg |   | 106  | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000        | 924.3      |               | mg/Kg |   | 92   | 70 - 130    |  |  |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 97        |           | 70 - 130 |
| o-Terphenyl    | 112       |           | 70 - 130 |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

Lab Sample ID: LCSD 880-67028/3-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1090           |                | mg/Kg |   | 109  | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 952.9          |                | mg/Kg |   | 95   | 70 - 130    | 3   | 20        |
|                                      |                |                |                |       |   |      |             |     |           |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 92             |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 105            |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-35343-A-1-G MS

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67028

| 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 | <50.0         | U F1             | 1010        | <50.5     | U F1         | mg/Kg |   | 2    | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1             | 1010        | <50.5     | U F1         | mg/Kg |   | 0.3  | 70 - 130    |     |           |
|                                      |               |                  |             |           |              |       |   |      |             |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 2             | S1-              | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 0.2           | S1-              | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 880-35343-A-1-H MSD

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67028

| 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 | <50.0         | U F1             | 1010        | <50.5      | U F1          | mg/Kg |   | 2    | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1             | 1010        | <50.5      | U F1          | mg/Kg |   | -0.2 | 70 - 130    | 12  | 20        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 2             | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 0.2           | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66795/1-A

Matrix: Solid

Analysis Batch: 66958

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 |   |          | 11/14/23 13:29 | 1       |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                  |  |  |             |                                      |               |       |   |      |             |  |
|----------------------------------|--|--|-------------|--------------------------------------|---------------|-------|---|------|-------------|--|
| Lab Sample ID: LCS 880-66795/2-A |  |  |             | Client Sample ID: Lab Control Sample |               |       |   |      |             |  |
| Matrix: Solid                    |  |  |             | Prep Type: Soluble                   |               |       |   |      |             |  |
| Analysis Batch: 66958            |  |  |             |                                      |               |       |   |      |             |  |
| Analyte                          |  |  | Spike Added | LCS Result                           | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
| Chloride                         |  |  | 250         | 230.4                                |               | mg/Kg |   | 92   | 90 - 110    |  |

|                                   |  |  |             |  |                |       |   |      |             |           |
|-----------------------------------|--|--|-------------|--|----------------|-------|---|------|-------------|-----------|
| Lab Sample ID: LCSD 880-66795/3-A |  |  |             | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |           |
| Matrix: Solid                     |  |  |             | Prep Type: Soluble                       |                |       |   |      |             |           |
| Analysis Batch: 66958             |  |  |             |  |                |       |   |      |             |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD Limit |
| Chloride                          |  |  | 250         | 231.5                                    |                | mg/Kg |   | 93   | 90 - 110    | 0 20      |

|                                   |               |                  |             |                                |              |       |   |      |             |  |
|-----------------------------------|---------------|------------------|-------------|--------------------------------|--------------|-------|---|------|-------------|--|
| Lab Sample ID: 890-5606-A-40-B MS |               |                  |             | Client Sample ID: Matrix Spike |              |       |   |      |             |  |
| Matrix: Solid                     |               |                  |             | Prep Type: Soluble             |              |       |   |      |             |  |
| Analysis Batch: 66958             |               |                  |             |                                |              |       |   |      |             |  |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MS Result                      | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
| Chloride                          | 39.7          |                  | 253         | 267.7                          |              | mg/Kg |   | 90   | 90 - 110    |  |

|                                    |               |                  |             |  |               |       |   |      |             |           |
|------------------------------------|---------------|------------------|-------------|--|---------------|-------|---|------|-------------|-----------|
| Lab Sample ID: 890-5606-A-40-C MSD |               |                  |             | Client Sample ID: Matrix Spike Duplicate |               |       |   |      |             |           |
| Matrix: Solid                      |               |                  |             | Prep Type: Soluble                       |               |       |   |      |             |           |
| Analysis Batch: 66958              |               |                  |             |  |               |       |   |      |             |           |
| Analyte                            | Sample Result | Sample Qualifier | Spike Added | MSD Result                               | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD Limit |
| Chloride                           | 39.7          |                  | 253         | 267.6                                    |               | mg/Kg |   | 90   | 90 - 110    | 0 20      |

QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

GC VOA

Analysis Batch: 67021

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-5607-1           | SS 01                  | Total/NA  | Solid  | 8021B  | 67061      |
| 890-5607-2           | SS 02                  | Total/NA  | Solid  | 8021B  | 67061      |
| MB 880-67061/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 67061      |
| MB 880-67094/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 67094      |
| LCS 880-67061/1-A    | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67061      |
| LCSD 880-67061/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67061      |
| 880-35797-A-81-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67061      |
| 880-35797-A-81-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67061      |

Prep Batch: 67061

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-5607-1           | SS 01                  | Total/NA  | Solid  | 5035   |            |
| 890-5607-2           | SS 02                  | Total/NA  | Solid  | 5035   |            |
| MB 880-67061/5-A     | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67061/1-A    | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67061/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-35797-A-81-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-35797-A-81-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Prep Batch: 67094

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-67094/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

Analysis Batch: 67298

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5607-1    | SS 01            | Total/NA  | Solid  | Total BTEX |            |
| 890-5607-2    | SS 02            | Total/NA  | Solid  | Total BTEX |            |

Prep Batch: 67374

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5607-2         | SS 02                  | Total/NA  | Solid  | 5035   |            |
| MB 880-67374/5-B   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67374/1-B  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67374/2-B | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5658-A-1-M MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-5658-A-1-N MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Analysis Batch: 67531

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5607-2         | SS 02                  | Total/NA  | Solid  | 8021B  | 67374      |
| MB 880-67374/5-B   | Method Blank           | Total/NA  | Solid  | 8021B  | 67374      |
| LCS 880-67374/1-B  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67374      |
| LCSD 880-67374/2-B | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67374      |
| 890-5658-A-1-M MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67374      |
| 890-5658-A-1-N MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67374      |

GC Semi VOA

Prep Batch: 67028

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-5607-1    | SS 01            | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

## GC Semi VOA (Continued)

## Prep Batch: 67028 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-5607-2          | SS 02                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67028/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67028/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67028/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35343-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35343-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67152

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-5607-1          | SS 01                  | Total/NA  | Solid  | 8015B NM | 67028      |
| 890-5607-2          | SS 02                  | Total/NA  | Solid  | 8015B NM | 67028      |
| MB 880-67028/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 67028      |
| LCS 880-67028/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67028      |
| LCSD 880-67028/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67028      |
| 880-35343-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67028      |
| 880-35343-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67028      |

## Analysis Batch: 67311

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5607-1    | SS 01            | Total/NA  | Solid  | 8015 NM |            |
| 890-5607-2    | SS 02            | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 66795

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-5607-1          | SS 01                  | Soluble   | Solid  | DI Leach |            |
| 890-5607-2          | SS 02                  | Soluble   | Solid  | DI Leach |            |
| MB 880-66795/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-66795/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-66795/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5606-A-40-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-5606-A-40-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 66958

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5607-1          | SS 01                  | Soluble   | Solid  | 300.0  | 66795      |
| 890-5607-2          | SS 02                  | Soluble   | Solid  | 300.0  | 66795      |
| MB 880-66795/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 66795      |
| LCS 880-66795/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 66795      |
| LCSD 880-66795/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 66795      |
| 890-5606-A-40-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 66795      |
| 890-5606-A-40-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 66795      |

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Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

Client Sample ID: SS 01

Lab Sample ID: 890-5607-1

Date Collected: 11/08/23 10:15

Matrix: Solid

Date Received: 11/09/23 14:33

| 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         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 20:04       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67298        | 11/16/23 20:04       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67311        | 11/16/23 17:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.93 g         | 10 mL        | 67028        | 11/15/23 09:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67152        | 11/16/23 17:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 15:22       | CH      | EET MID |

Client Sample ID: SS 02

Lab Sample ID: 890-5607-2

Date Collected: 11/08/23 10:20

Matrix: Solid

Date Received: 11/09/23 14:33

| 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         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 20:25       | SM      | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 67374        | 11/20/23 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 67531        | 11/21/23 14:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67298        | 11/21/23 14:59       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67311        | 11/16/23 18:05       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 67028        | 11/15/23 09:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67152        | 11/16/23 18:05       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 15:27       | 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: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

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

**Protocol References:**  
ASTM = ASTM International  
EPA = US Environmental Protection Agency  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

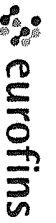
Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5607-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5607-1    | SS 01            | Solid  | 11/08/23 10:15 | 11/09/23 14:33 | 0.5'  |
| 890-5607-2    | SS 02            | Solid  | 11/08/23 10:20 | 11/09/23 14:33 | 0.5'  |

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5607

Chain of Custody

# Environment Testing

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) 595-3445, Lubbock, TX (806) 794-1266  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Mo



890-5607 Chain of Custody

www.xenco.com Page 4 of 4

|                  |                       |                         |                     |
|------------------|-----------------------|-------------------------|---------------------|
| Project Manager: | Ben Bell              | Bill to: (if different) | Garnett Green       |
| Company Name:    | EnSolum LLC           | Company Name:           | XTO Energy          |
| Address:         | 5122 Northall Parkway | Address:                | 3109 E. Green St    |
| City, State ZIP: | Carlsbad, NM, 58220   | City, State ZIP:        | Carlsbad, NM, 88220 |
| Phone:           | 989-854-0652          | Email:                  | B.Bell@ensolum.com  |

|                     |                                   |                                    |                                     |
|---------------------|-----------------------------------|------------------------------------|-------------------------------------|
| Work Order Comments |                                   |                                    |                                     |
| Program:            | UST/PST <input type="checkbox"/>  | PRP <input type="checkbox"/>       | Brownfield <input type="checkbox"/> |
| State of Project:   | RRR <input type="checkbox"/>      | Superfund <input type="checkbox"/> |                                     |
| Reporting:          | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>    |
| Deliverables:       | EDD <input type="checkbox"/>      | Adapt <input type="checkbox"/>     | Other: <input type="checkbox"/>     |

|                          |  |  |   |            |  |
|--------------------------|--|--|---|------------|--|
| Project Name:            | OTRIDER CUB  | Turn Around  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush               | Pres. Code |  |
| P Project Number:        | 03C1558289   | Due Date:  |   |            |  |
| Project Location:        | 32.1862, -106.6743   | TAT starts the day received by the lab, if received by 4:30pm                              |   |            |  |
| Sample's Name:           | Soxhlet Eluvion  |  |   |            |  |
| P.O. #                   |  |  |   |            |  |
| 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 | Parameters |  |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Thermometer ID:  | 10007   |            |  |
| Cooler Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Correction Factor:   | -0.2  |            |  |
| Sample Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Temperature Reading:   | 6.9   |            |  |
| Total Containers:        |  | Corrected Temperature:   | 6.9   |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | PH | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|----|-----------------|
| 5501                  |        | 5/11/2024    | 10:15        | 0.5'  | G         | 1         | X  | Cost Center     |
| 5502                  |        |              | 10:20        |       |           | 1         | X  | 106151001       |
|                       |        |              |              |       |           | 1         | X  | Incident #      |
|                       |        |              |              |       |           | 1         | X  | 11022320651127  |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO<sub>2</sub> 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 |
|                              |                          | 11/19     |                              |                          |           |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5607-1

SDG Number: 03C1558289

Login Number: 5607

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5607-1

SDG Number: 03C1558289

Login Number: 5607

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 11/13/23 09:24 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: Ben Belill  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 11/27/2023 1:47:04 PM Revision 1

## JOB DESCRIPTION

Outrider CVB  
03C1558289

## JOB NUMBER

890-5608-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220





# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



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

Generated  
11/27/2023 1:47:04 PM  
Revision 1

Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5608-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| 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.                                 |
|----------------|---|
| α              | 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: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

**Job ID: 890-5608-1****Laboratory: Eurofins Carlsbad****Narrative****Job Narrative  
890-5608-1**REVISION

The report being provided is a revision of the original report sent on 11/17/2023. The report (revision 1) is being revised due to Per client email, requesting TPH re run on samples 1-3.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 11/9/2023 2:33 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 6.4°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 03 (890-5608-1), SS 04 (890-5608-2), SS 05 (890-5608-3) and SS 06 (890-5608-4).

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67061 and analytical batch 880-67021 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67061 and analytical batch 880-67021 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-35797-A-81-D). 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.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-35343-A-1-F), (880-35343-A-1-G MS) and (880-35343-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-67028 and analytical batch 880-67152. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-67473 and analytical batch 880-67601 was outside the upper control limits.

Case Narrative

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Job ID: 890-5608-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-35980-A-38-C), (880-35980-A-38-D MS) and (880-35980-A-38-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SS 03 (890-5608-1) and SS 05 (890-5608-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67473 and analytical batch 880-67601 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Client Sample ID: SS 03

Lab Sample ID: 890-5608-1

Date Collected: 11/08/23 11:35

Matrix: Solid

Date Received: 11/09/23 14:33

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 |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:08 | 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 |   |          | 11/16/23 14:08 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 64.7   |           | 49.6 | mg/Kg |   |          | 11/23/23 04:08 | 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 | <49.6  | U         | 49.6 | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:08 | 1       |
| Diesel Range Organics (Over C10-C28) | 64.7   |           | 49.6 | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6  | U         | 49.6 | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 147       | S1+       | 70 - 130 | 11/20/23 15:52 | 11/23/23 04:08 | 1       |
| o-Terphenyl    | 124       |           | 70 - 130 | 11/20/23 15:52 | 11/23/23 04:08 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 77.4   |           | 5.04 | mg/Kg |   |          | 11/14/23 15:44 | 1       |

Client Sample ID: SS 04

Lab Sample ID: 890-5608-2

Date Collected: 11/08/23 11:40

Matrix: Solid

Date Received: 11/09/23 14:33

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 |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:29 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Client Sample ID: SS 04

Lab Sample ID: 890-5608-2

Date Collected: 11/08/23 11:40

Matrix: Solid

Date Received: 11/09/23 14:33

Sample Depth: 0.5

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 114       |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:29 | 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 |   |          | 11/16/23 14:29 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 117    |           | 49.8 | mg/Kg |   |          | 11/23/23 04:29 | 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 | <49.8     | U         | 49.8     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:29 | 1       |
| Diesel Range Organics (Over C10-C28) | 117       |           | 49.8     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 120       |           | 70 - 130 |       |   | 11/20/23 15:52 | 11/23/23 04:29 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |       |   | 11/20/23 15:52 | 11/23/23 04:29 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 48.1   |           | 5.03 | mg/Kg |   |          | 11/14/23 15:50 | 1       |

Client Sample ID: SS 05

Lab Sample ID: 890-5608-3

Date Collected: 11/08/23 11:45

Matrix: Solid

Date Received: 11/09/23 14:33

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 |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 14:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 127       |           | 70 - 130 | 11/15/23 11:41 | 11/16/23 14:49 | 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 |   |          | 11/16/23 14:49 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 114    |           | 50.4 | mg/Kg |   |          | 11/23/23 04:51 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Client Sample ID: SS 05

Lab Sample ID: 890-5608-3

Date Collected: 11/08/23 11:45

Matrix: Solid

Date Received: 11/09/23 14:33

Sample Depth: 0.5

## 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 | <50.4     | U         | 50.4     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:51 | 1       |
| Diesel Range Organics (Over C10-C28) | 114       |           | 50.4     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.4     | U         | 50.4     | mg/Kg |   | 11/20/23 15:52 | 11/23/23 04:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 135       | S1+       | 70 - 130 |       |   | 11/20/23 15:52 | 11/23/23 04:51 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 130 |       |   | 11/20/23 15:52 | 11/23/23 04:51 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 33.7   |           | 5.01 | mg/Kg |   |          | 11/14/23 15:56 | 1       |

Client Sample ID: SS 06

Lab Sample ID: 890-5608-4

Date Collected: 11/08/23 12:10

Matrix: Solid

Date Received: 11/09/23 14:33

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 |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| m-Xylene & p-Xylene         | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 11/15/23 11:41 | 11/16/23 15:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 |       |   | 11/15/23 11:41 | 11/16/23 15:09 | 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 |   |          | 11/16/23 15:09 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 56.9   |           | 50.5 | mg/Kg |   |          | 11/16/23 14:14 | 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 | <50.5     | U         | 50.5     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 14:14 | 1       |
| Diesel Range Organics (Over C10-C28) | 56.9      |           | 50.5     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 14:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 14:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 111       |           | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 14:14 | 1       |
| o-Terphenyl                          | 118       |           | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 14:14 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

**Client Sample ID: SS 06**  
**Date Collected: 11/08/23 12:10**  
**Date Received: 11/09/23 14:33**  
**Sample Depth: 0.5**

**Lab Sample ID: 890-5608-4**  
**Matrix: Solid**

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 100    |           | 4.97 | mg/Kg |   |          | 11/14/23 16:01 | 1       |  |

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

## Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID        | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|----------------------|------------------------|------------------|-------------------|
| 880-35797-A-81-B MS  | Matrix Spike           | 103              | 98                |
| 880-35797-A-81-C MSD | Matrix Spike Duplicate | 90               | 108               |
| 890-5608-1           | SS 03                  | 87               | 112               |
| 890-5608-2           | SS 04                  | 94               | 114               |
| 890-5608-3           | SS 05                  | 93               | 127               |
| 890-5608-4           | SS 06                  | 96               | 120               |
| LCS 880-67061/1-A    | Lab Control Sample     | 99               | 116               |
| LCSD 880-67061/2-A   | Lab Control Sample Dup | 105              | 110               |
| MB 880-67061/5-A     | Method Blank           | 117              | 154 S1+           |
| MB 880-67094/5-A     | Method Blank           | 114              | 119               |

## 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<br>(70-130) | OTPH1<br>(70-130) |
|----------------------|------------------------|------------------|-------------------|
| 880-35343-A-1-G MS   | Matrix Spike           | 2 S1-            | 0.2 S1-           |
| 880-35343-A-1-H MSD  | Matrix Spike Duplicate | 2 S1-            | 0.2 S1-           |
| 880-35980-A-38-D MS  | Matrix Spike           | 150 S1+          | 116               |
| 880-35980-A-38-E MSD | Matrix Spike Duplicate | 147 S1+          | 116               |
| 890-5608-1           | SS 03                  | 147 S1+          | 124               |
| 890-5608-2           | SS 04                  | 120              | 104               |
| 890-5608-3           | SS 05                  | 135 S1+          | 116               |
| 890-5608-4           | SS 06                  | 111              | 118               |
| LCS 880-67028/2-A    | Lab Control Sample     | 97               | 112               |
| LCS 880-67473/2-A    | Lab Control Sample     | 87               | 93                |
| LCSD 880-67028/3-A   | Lab Control Sample Dup | 92               | 105               |
| LCSD 880-67473/3-A   | Lab Control Sample Dup | 96               | 107               |
| MB 880-67028/1-A     | Method Blank           | 109              | 124               |
| MB 880-67473/1-A     | Method Blank           | 135 S1+          | 122               |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67061/5-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 11:41 | 11/16/23 12:38 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117          |              | 70 - 130 | 11/15/23 11:41 | 11/16/23 12:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 154          | S1+          | 70 - 130 | 11/15/23 11:41 | 11/16/23 12:38 | 1       |

Lab Sample ID: LCS 880-67061/1-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1235     |               | mg/Kg |   | 124  | 70 - 130    |
| Toluene             | 0.100       | 0.08522    |               | mg/Kg |   | 85   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08726    |               | mg/Kg |   | 87   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1904     |               | mg/Kg |   | 95   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09465    |               | mg/Kg |   | 95   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 116           |               | 70 - 130 |

Lab Sample ID: LCSD 880-67061/2-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1191      |                | mg/Kg |   | 119  | 70 - 130    | 4   | 35        |
| Toluene             | 0.100       | 0.08593     |                | mg/Kg |   | 86   | 70 - 130    | 1   | 35        |
| Ethylbenzene        | 0.100       | 0.08452     |                | mg/Kg |   | 85   | 70 - 130    | 3   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1801      |                | mg/Kg |   | 90   | 70 - 130    | 6   | 35        |
| o-Xylene            | 0.100       | 0.09651     |                | mg/Kg |   | 97   | 70 - 130    | 2   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 105            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110            |                | 70 - 130 |

Lab Sample ID: 880-35797-A-81-B MS

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67061

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00199      | U                | 0.0996      | 0.08388   |              | mg/Kg |   | 84   | 70 - 130    |
| Toluene | <0.00199      | U F1             | 0.0996      | 0.06167   | F1           | mg/Kg |   | 62   | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Lab Sample ID: 880-35797-A-81-B MS

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00199      | U F1             | 0.0996      | 0.06371   | F1           | mg/Kg |   | 64   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.199       | 0.1444    |              | mg/Kg |   | 72   | 70 - 130    |
| o-Xylene            | <0.00199      | U F1             | 0.0996      | 0.07765   |              | mg/Kg |   | 78   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 |

Lab Sample ID: 880-35797-A-81-C MSD

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67061

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00199      | U                | 0.100       | 0.08417    |               | mg/Kg |   | 84   | 70 - 130    | 0   | 35    |
| Toluene             | <0.00199      | U F1             | 0.100       | 0.06025    | F1            | mg/Kg |   | 60   | 70 - 130    | 2   | 35    |
| Ethylbenzene        | <0.00199      | U F1             | 0.100       | 0.05329    | F1            | mg/Kg |   | 53   | 70 - 130    | 18  | 35    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.200       | 0.1270     | F1            | mg/Kg |   | 63   | 70 - 130    | 13  | 35    |
| o-Xylene            | <0.00199      | U F1             | 0.100       | 0.06890    | F1            | mg/Kg |   | 69   | 70 - 130    | 12  | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 90            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130 |

Lab Sample ID: MB 880-67094/5-A

Matrix: Solid

Analysis Batch: 67021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67094

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/15/23 13:29 | 11/16/23 00:55 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114          |              | 70 - 130 | 11/15/23 13:29 | 11/16/23 00:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 119          |              | 70 - 130 | 11/15/23 13:29 | 11/16/23 00:55 | 1       |

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

Lab Sample ID: MB 880-67028/1-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67028

| 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 |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67028/1-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109             |                 | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |
| o-Terphenyl                          | 124             |                 | 70 - 130 |       |   | 11/15/23 09:52 | 11/16/23 07:31 | 1       |

Lab Sample ID: LCS 880-67028/2-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1059             |                  | mg/Kg |   | 106  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 924.3            |                  | mg/Kg |   | 92   | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 97               |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 112              |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-67028/3-A

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1090              |                   | mg/Kg |   | 109  | 70 - 130       | 3   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 952.9             |                   | mg/Kg |   | 95   | 70 - 130       | 3   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 92                |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 105               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-35343-A-1-G MS

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67028

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U F1                | 1010           | <50.5        | U F1            | mg/Kg |   | 2    | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <50.0            | U F1                | 1010           | <50.5        | U F1            | mg/Kg |   | 0.3  | 70 - 130       |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane                       | 2                | S1-                 | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl                          | 0.2              | S1-                 | 70 - 130       |              |                 |       |   |      |                |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Lab Sample ID: 880-35343-A-1-H MSD

Matrix: Solid

Analysis Batch: 67152

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67028

| 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 | <50.0         | U F1             | 1010        | <50.5      | U F1          | mg/Kg |   | 2    | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1             | 1010        | <50.5      | U F1          | mg/Kg |   | -0.2 | 70 - 130    | 12  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 2             | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 0.2           | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-67473/1-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67473

| 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 |   | 11/20/23 15:52 | 11/22/23 19:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 11/20/23 15:52 | 11/22/23 19:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 11/20/23 15:52 | 11/22/23 19:49 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 135          | S1+          | 70 - 130 |       |   | 11/20/23 15:52 | 11/22/23 19:49 | 1       |
| o-Terphenyl                          | 122          |              | 70 - 130 |       |   | 11/20/23 15:52 | 11/22/23 19:49 | 1       |

Lab Sample ID: LCS 880-67473/2-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67473

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 1029          |               | mg/Kg |   | 103  | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 986.1         |               | mg/Kg |   | 99   | 70 - 130    |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| 1-Chlorooctane                       | 87            |               | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl                          | 93            |               | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-67473/3-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67473

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 997.8       |                | mg/Kg |   | 100  | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1029        |                | mg/Kg |   | 103  | 70 - 130    | 4   | 20        |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Lab Sample ID: LCSD 880-67473/3-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67473

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 96        |           | 70 - 130 |
| o-Terphenyl    | 107       |           | 70 - 130 |

Lab Sample ID: 880-35980-A-38-D MS

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67473

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.4         | U                | 1000        | 959.6     |              | mg/Kg |   | 91   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.4         | U F1             | 1000        | 1386      | F1           | mg/Kg |   | 136  | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 150       | S1+       | 70 - 130 |
| o-Terphenyl    | 116       |           | 70 - 130 |

Lab Sample ID: 880-35980-A-38-E MSD

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67473

| 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 | <50.4         | U                | 1000        | 1028       |               | mg/Kg |   | 98   | 70 - 130    | 7   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.4         | U F1             | 1000        | 1374       | F1            | mg/Kg |   | 135  | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 147       | S1+       | 70 - 130 |
| o-Terphenyl    | 116       |           | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66795/1-A

Matrix: Solid

Analysis Batch: 66958

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 |   |          | 11/14/23 13:29 | 1       |

Lab Sample ID: LCS 880-66795/2-A

Matrix: Solid

Analysis Batch: 66958

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 230.4      |               | mg/Kg |   | 92   | 90 - 110    |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                   |  |  |             |  |                |       |   |      |             |     |           |
|-----------------------------------|--|--|-------------|--|----------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-66795/3-A |  |  |             | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |     |           |
| Matrix: Solid                     |  |  |             | Prep Type: Soluble                       |                |       |   |      |             |     |           |
| Analysis Batch: 66958             |  |  |             |  |                |       |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 231.5                                    |                | mg/Kg |   | 93   | 90 - 110    | 0   | 20        |

|                                   |               |                  |             |                                |              |       |   |      |             |  |  |
|-----------------------------------|---------------|------------------|-------------|--------------------------------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 890-5606-A-40-B MS |               |                  |             | Client Sample ID: Matrix Spike |              |       |   |      |             |  |  |
| Matrix: Solid                     |               |                  |             | Prep Type: Soluble             |              |       |   |      |             |  |  |
| Analysis Batch: 66958             |               |                  |             |                                |              |       |   |      |             |  |  |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MS Result                      | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                          | 39.7          |                  | 253         | 267.7                          |              | mg/Kg |   | 90   | 90 - 110    |  |  |

|                                    |               |                  |             |  |               |       |   |      |             |     |           |
|------------------------------------|---------------|------------------|-------------|--|---------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: 890-5606-A-40-C MSD |               |                  |             | Client Sample ID: Matrix Spike Duplicate |               |       |   |      |             |     |           |
| Matrix: Solid                      |               |                  |             | Prep Type: Soluble                       |               |       |   |      |             |     |           |
| Analysis Batch: 66958              |               |                  |             |  |               |       |   |      |             |     |           |
| Analyte                            | Sample Result | Sample Qualifier | Spike Added | MSD Result                               | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                           | 39.7          |                  | 253         | 267.6                                    |               | mg/Kg |   | 90   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

## GC VOA

## Analysis Batch: 67021

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-5608-1           | SS 03                  | Total/NA  | Solid  | 8021B  | 67061      |
| 890-5608-2           | SS 04                  | Total/NA  | Solid  | 8021B  | 67061      |
| 890-5608-3           | SS 05                  | Total/NA  | Solid  | 8021B  | 67061      |
| 890-5608-4           | SS 06                  | Total/NA  | Solid  | 8021B  | 67061      |
| MB 880-67061/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 67061      |
| MB 880-67094/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 67094      |
| LCS 880-67061/1-A    | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67061      |
| LCSD 880-67061/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67061      |
| 880-35797-A-81-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67061      |
| 880-35797-A-81-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67061      |

## Prep Batch: 67061

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-5608-1           | SS 03                  | Total/NA  | Solid  | 5035   |            |
| 890-5608-2           | SS 04                  | Total/NA  | Solid  | 5035   |            |
| 890-5608-3           | SS 05                  | Total/NA  | Solid  | 5035   |            |
| 890-5608-4           | SS 06                  | Total/NA  | Solid  | 5035   |            |
| MB 880-67061/5-A     | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67061/1-A    | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67061/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-35797-A-81-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-35797-A-81-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 67094

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-67094/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67296

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5608-1    | SS 03            | Total/NA  | Solid  | Total BTEX |            |
| 890-5608-2    | SS 04            | Total/NA  | Solid  | Total BTEX |            |
| 890-5608-3    | SS 05            | Total/NA  | Solid  | Total BTEX |            |
| 890-5608-4    | SS 06            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 67028

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-5608-4          | SS 06                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67028/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67028/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67028/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35343-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35343-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67152

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5608-4         | SS 06                  | Total/NA  | Solid  | 8015B NM | 67028      |
| MB 880-67028/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 67028      |
| LCS 880-67028/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67028      |
| LCSD 880-67028/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67028      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

## GC Semi VOA (Continued)

## Analysis Batch: 67152 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-35343-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67028      |
| 880-35343-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67028      |

## Analysis Batch: 67309

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5608-1    | SS 03            | Total/NA  | Solid  | 8015 NM |            |
| 890-5608-2    | SS 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-5608-3    | SS 05            | Total/NA  | Solid  | 8015 NM |            |
| 890-5608-4    | SS 06            | Total/NA  | Solid  | 8015 NM |            |

## Prep Batch: 67473

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-5608-1           | SS 03                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5608-2           | SS 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5608-3           | SS 05                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67473/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67473/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67473/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35980-A-38-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-35980-A-38-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67601

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-5608-1           | SS 03                  | Total/NA  | Solid  | 8015B NM | 67473      |
| 890-5608-2           | SS 04                  | Total/NA  | Solid  | 8015B NM | 67473      |
| 890-5608-3           | SS 05                  | Total/NA  | Solid  | 8015B NM | 67473      |
| MB 880-67473/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 67473      |
| LCS 880-67473/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67473      |
| LCSD 880-67473/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67473      |
| 880-35980-A-38-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67473      |
| 880-35980-A-38-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67473      |

## HPLC/IC

## Leach Batch: 66795

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-5608-1          | SS 03                  | Soluble   | Solid  | DI Leach |            |
| 890-5608-2          | SS 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5608-3          | SS 05                  | Soluble   | Solid  | DI Leach |            |
| 890-5608-4          | SS 06                  | Soluble   | Solid  | DI Leach |            |
| MB 880-66795/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-66795/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-66795/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5606-A-40-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-5606-A-40-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 66958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 890-5608-1    | SS 03            | Soluble   | Solid  | 300.0  | 66795      |
| 890-5608-2    | SS 04            | Soluble   | Solid  | 300.0  | 66795      |
| 890-5608-3    | SS 05            | Soluble   | Solid  | 300.0  | 66795      |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

HPLC/IC (Continued)

Analysis Batch: 66958 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5608-4          | SS 06                  | Soluble   | Solid  | 300.0  | 66795      |
| MB 880-66795/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 66795      |
| LCS 880-66795/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 66795      |
| LCSD 880-66795/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 66795      |
| 890-5606-A-40-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 66795      |
| 890-5606-A-40-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 66795      |



Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Client Sample ID: SS 03  
Date Collected: 11/08/23 11:35  
Date Received: 11/09/23 14:33

Lab Sample ID: 890-5608-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 14:08       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67296        | 11/16/23 14:08       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67309        | 11/23/23 04:08       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 67473        | 11/20/23 15:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67601        | 11/23/23 04:08       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 15:44       | CH      | EET MID |

Client Sample ID: SS 04  
Date Collected: 11/08/23 11:40  
Date Received: 11/09/23 14:33

Lab Sample ID: 890-5608-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 14:29       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67296        | 11/16/23 14:29       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67309        | 11/23/23 04:29       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 67473        | 11/20/23 15:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67601        | 11/23/23 04:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 15:50       | CH      | EET MID |

Client Sample ID: SS 05  
Date Collected: 11/08/23 11:45  
Date Received: 11/09/23 14:33

Lab Sample ID: 890-5608-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 14:49       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67296        | 11/16/23 14:49       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67309        | 11/23/23 04:51       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 67473        | 11/20/23 15:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67601        | 11/23/23 04:51       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 15:56       | CH      | EET MID |

Client Sample ID: SS 06  
Date Collected: 11/08/23 12:10  
Date Received: 11/09/23 14:33

Lab Sample ID: 890-5608-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 67061        | 11/15/23 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67021        | 11/16/23 15:09       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67296        | 11/16/23 15:09       | AJ      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

Client Sample ID: SS 06  
Date Collected: 11/08/23 12:10  
Date Received: 11/09/23 14:33

Lab Sample ID: 890-5608-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67309        | 11/16/23 14:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 67028        | 11/15/23 09:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67152        | 11/16/23 14:14       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 66795        | 11/13/23 08:10       | CH      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 66958        | 11/14/23 16:01       | CH      | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5608-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5608-1    | SS 03            | Solid  | 11/08/23 11:35 | 11/09/23 14:33 | 0.5   |
| 890-5608-2    | SS 04            | Solid  | 11/08/23 11:40 | 11/09/23 14:33 | 0.5   |
| 890-5608-3    | SS 05            | Solid  | 11/08/23 11:45 | 11/09/23 14:33 | 0.5   |
| 890-5608-4    | SS 06            | Solid  | 11/08/23 12:10 | 11/09/23 14:33 | 0.5   |

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5608  
Environment Testing

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) 585-3445, El Paso, TX (915) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 985-3199

Mo



890-5608 Chain of Custody

www.xenco.com Page 7 of 4

|                  |                       |                         |                     |
|------------------|-----------------------|-------------------------|---------------------|
| Project Manager: | Belill                | Bill to: (if different) | Garrett Green       |
| Company Name:    | Ensamble              | Company Name:           | ATO Energy          |
| Address:         | 302 N. Fannin Parkway | Address:                | 3501 E. Greene St   |
| City, State ZIP: | Carlsbad, NM 88220    | City, State ZIP:        | Carlsbad, NM 88220  |
| Phone:           | 989-654-0852          | Email:                  | Belill@ensamble.com |

|                   |          |           |             |      |           |
|-------------------|----------|-----------|-------------|------|-----------|
| Program:          | UST/PST  | PRP       | Brownfields | RRC  | Superfund |
| State of Project: |          |           |             |      |           |
| Reporting:        | Level II | Level III | PST/UST     | TRRP | Level IV  |
| Deliverables:     | EDD      | ADAPT     | Other       |      |           |

|                          |  |   |   |            |  |
|--------------------------|--|---|---|------------|--|
| Project Name:            | Outcrops CUB   | Turn Around   | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code |  |
| Project Number:          | 23C1558289   | Due Date:   |   |            |  |
| Project location:        | 3A, B62, -103.676736   | TAT starts the day received by the lab, if received by 4:30pm                           |   |            |  |
| Sample Name:             | Scraper/Well way   |   |   |            |  |
| 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:   |   |            |  |
| Cooler Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Correction Factor:  |   |            |  |
| Sample Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Temperature Reading:  |   |            |  |
| Total Containers:        |  | Corrected Temperature:  |   |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|--------------------|-----------------|
| 5503                  |        | 11/08/23     | 11:35        | 0.5 G |           | 1         | BTX        |                  |                    | cast            |
| 5504                  |        |              | 11:40        |       |           | 1         |            |                  |                    | cast            |
| 5505                  |        |              | 11:45        |       |           | 1         |            |                  |                    | cast            |
| 5506                  |        |              | 12:10        |       |           | 1         |            |                  |                    | cast            |

|  |   |                                |   |
|--|---|--------------------------------|---|
| Total 2007 / 6010                            | 2008 / 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 <sub>2</sub> 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 |   |

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1                            |                          | 11/9      | 2                            |                          | 11/9      |
| 3                            |                          |           | 4                            |                          |           |
| 5                            |                          |           | 6                            |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5608-1

SDG Number: 03C1558289

Login Number: 5608

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5608-1

SDG Number: 03C1558289

Login Number: 5608

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 11/13/23 09:24 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: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 11/28/2023 11:23:44 AM

## JOB DESCRIPTION

Outrider CVB

03C1558289

## JOB NUMBER

890-5651-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
11/28/2023 11:23:44 AM

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

Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5651-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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                                    |
|-----------|--|
| 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  |
| SQL            | 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: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Job ID: 890-5651-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative  
890-5651-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 11/17/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-5651-1), PH01 (890-5651-2), PH02 (890-5651-3) and PH02 (890-5651-4).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-35973-A-1-E). 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.

GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: PH01 (890-5651-1), (890-5667-A-1-C MS) and (890-5667-A-1-D MSD). 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

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: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH01

Lab Sample ID: 890-5651-1

Date Collected: 11/15/23 10:00

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 2

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 14:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 73        |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 14:19 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 11/27/23 14:19 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 | mg/Kg |   |          | 11/27/23 16:25 | 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 | <50.1  | U         | 50.1 | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:25 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 74        |           | 70 - 130 | 11/22/23 14:59 | 11/27/23 16:25 | 1       |
| o-Terphenyl    | 67        | S1-       | 70 - 130 | 11/22/23 14:59 | 11/27/23 16:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 7.71   |           | 4.99 | mg/Kg |   |          | 11/22/23 03:48 | 1       |

Client Sample ID: PH01

Lab Sample ID: 890-5651-2

Date Collected: 11/15/23 10:25

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 5.5

## 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 |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 14:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 14:40 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH01

Lab Sample ID: 890-5651-2

Date Collected: 11/15/23 10:25

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 5.5

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 70        |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 14:40 | 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 |   |          | 11/27/23 14:40 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 | mg/Kg |   |          | 11/27/23 16:49 | 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 | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 16:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 16:49 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 16:49 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 10.2   |           | 5.00 | mg/Kg |   |          | 11/22/23 04:07 | 1       |

Client Sample ID: PH02

Lab Sample ID: 890-5651-3

Date Collected: 11/15/23 10:35

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 1

## 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 |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 15:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 15:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 | 11/21/23 16:19 | 11/27/23 15:00 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 11/27/23 15:00 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 67.3   |           | 50.1 | mg/Kg |   |          | 11/27/23 17:11 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH02

Lab Sample ID: 890-5651-3

Date Collected: 11/15/23 10:35

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 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                      | <50.1     | U         | 50.1     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:11 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 67.3      |           | 50.1     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:11 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <50.1     | U         | 50.1     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:11 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane  | 77        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 17:11 | 1       |  |
| o-Terphenyl   | 72        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 17:11 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 19.6   |           | 5.05 | mg/Kg |   |          | 11/22/23 04:14 | 1       |  |

Client Sample ID: PH02

Lab Sample ID: 890-5651-4

Date Collected: 11/15/23 11:00

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 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 |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| Toluene   | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| Ethylbenzene  | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| o-Xylene  | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| Xylenes, Total  | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 79        |           | 70 - 130 |       |   | 11/21/23 16:19 | 11/27/23 16:28 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 90        |           | 70 - 130 |       |   | 11/21/23 16:19 | 11/27/23 16:28 | 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 |   |          | 11/27/23 16:28 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH  | 59.5   |           | 50.5 | mg/Kg |   |          | 11/27/23 17:33 | 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                      | <50.5     | U         | 50.5     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:33 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 59.5      |           | 50.5     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:33 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <50.5     | U         | 50.5     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:33 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane  | 79        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 17:33 | 1       |  |
| o-Terphenyl   | 74        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 17:33 | 1       |  |

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Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH02

Lab Sample ID: 890-5651-4

Date Collected: 11/15/23 11:00

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 5

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 35.5   |           | 5.01 | mg/Kg |   |          | 11/22/23 04:21 | 1       |  |

Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-35973-A-1-C MS                | Matrix Spike           | 114  | 106               |
| 880-35973-A-1-D MSD               | Matrix Spike Duplicate | 117  | 97                |
| 890-5651-1                        | PH01                   | 103  | 73                |
| 890-5651-2                        | PH01                   | 98   | 70                |
| 890-5651-3                        | PH02                   | 107  | 75                |
| 890-5651-4                        | PH02                   | 79   | 90                |
| LCS 880-67582/1-A                 | Lab Control Sample     | 109  | 103               |
| LCSD 880-67582/2-A                | Lab Control Sample Dup | 111  | 103               |
| MB 880-67582/5-A                  | Method Blank           | 72   | 72                |
| 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<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-5651-1           | PH01                   | 74   | 67 S1-            |
| 890-5651-2           | PH01                   | 80   | 74                |
| 890-5651-3           | PH02                   | 77   | 72                |
| 890-5651-4           | PH02                   | 79   | 74                |
| 890-5667-A-1-C MS    | Matrix Spike           | 78   | 68 S1-            |
| 890-5667-A-1-D MSD   | Matrix Spike Duplicate | 80   | 68 S1-            |
| LCS 880-67649/2-A    | Lab Control Sample     | 107  | 114               |
| LCSD 880-67649/3-A   | Lab Control Sample Dup | 128  | 130               |
| MB 880-67649/1-A     | Method Blank           | 98   | 99                |
| Surrogate Legend     |                        |  |                   |
| 1CO = 1-Chlorooctane |                        |  |                   |
| OTPH = o-Terphenyl   |                        |  |                   |

## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67582/5-A

Matrix: Solid

Analysis Batch: 67690

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67582

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/21/23 16:19 | 11/27/23 11:27 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 72              |                 | 70 - 130 | 11/21/23 16:19 | 11/27/23 11:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 72              |                 | 70 - 130 | 11/21/23 16:19 | 11/27/23 11:27 | 1       |

Lab Sample ID: LCS 880-67582/1-A

Matrix: Solid

Analysis Batch: 67690

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67582

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09952       |                  | mg/Kg |   | 100  | 70 - 130       |
| Toluene             | 0.100          | 0.09407       |                  | mg/Kg |   | 94   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1039        |                  | mg/Kg |   | 104  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2180        |                  | mg/Kg |   | 109  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1042        |                  | mg/Kg |   | 104  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 109              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-67582/2-A

Matrix: Solid

Analysis Batch: 67690

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67582

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09394        |                   | mg/Kg |   | 94   | 70 - 130       | 6   | 35           |
| Toluene             | 0.100          | 0.08565        |                   | mg/Kg |   | 86   | 70 - 130       | 9   | 35           |
| Ethylbenzene        | 0.100          | 0.09515        |                   | mg/Kg |   | 95   | 70 - 130       | 9   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1979         |                   | mg/Kg |   | 99   | 70 - 130       | 10  | 35           |
| o-Xylene            | 0.100          | 0.09447        |                   | mg/Kg |   | 94   | 70 - 130       | 10  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 111               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103               |                   | 70 - 130 |

Lab Sample ID: 880-35973-A-1-C MS

Matrix: Solid

Analysis Batch: 67690

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67582

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.0996         | 0.08406      |                 | mg/Kg |   | 84   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.0996         | 0.07639      |                 | mg/Kg |   | 76   | 70 - 130       |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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

Lab Sample ID: 880-35973-A-1-C MS  
Matrix: Solid  
Analysis Batch: 67690

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 67582

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00200      | U                | 0.0996      | 0.08490   |              | mg/Kg |   | 85   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00401      | U                | 0.199       | 0.1762    |              | mg/Kg |   | 88   | 70 - 130    |
| o-Xylene                    | <0.00200      | U                | 0.0996      | 0.08410   |              | mg/Kg |   | 84   | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 114           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 106           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-35973-A-1-D MSD  
Matrix: Solid  
Analysis Batch: 67690

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 67582

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00200      | U                | 0.0998      | 0.07624    |               | mg/Kg |   | 76   | 70 - 130    | 10  | 35        |
| Toluene                     | <0.00200      | U                | 0.0998      | 0.07310    |               | mg/Kg |   | 73   | 70 - 130    | 4   | 35        |
| Ethylbenzene                | <0.00200      | U                | 0.0998      | 0.08278    |               | mg/Kg |   | 83   | 70 - 130    | 3   | 35        |
| m-Xylene & p-Xylene         | <0.00401      | U                | 0.200       | 0.1684     |               | mg/Kg |   | 84   | 70 - 130    | 5   | 35        |
| o-Xylene                    | <0.00200      | U                | 0.0998      | 0.08049    |               | mg/Kg |   | 81   | 70 - 130    | 4   | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 117           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 97            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-67649/1-A  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 67649

| 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 |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
|                                      |              |              |          |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   |                |                |         |
| 1-Chlorooctane                       | 98           |              | 70 - 130 |       |   |                |                |         |
| o-Terphenyl                          | 99           |              | 70 - 130 |       |   |                |                |         |

Lab Sample ID: LCS 880-67649/2-A  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 67649

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 989.1      |               | mg/Kg |   | 99   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1050       |               | mg/Kg |   | 105  | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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

Lab Sample ID: LCS 880-67649/2-A

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67649

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 114       |           | 70 - 130 |

Lab Sample ID: LCSD 880-67649/3-A

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67649

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1189        |                | mg/Kg |   | 119  | 70 - 130    | 18  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1248        |                | mg/Kg |   | 125  | 70 - 130    | 17  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 128       |           | 70 - 130 |
| o-Terphenyl    | 130       |           | 70 - 130 |

Lab Sample ID: 890-5667-A-1-C MS

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67649

| 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 | <50.2         | U                | 1010        | 763.8     |              | mg/Kg |   | 72   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <50.2         | U                | 1010        | 749.5     |              | mg/Kg |   | 71   | 70 - 130    |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 78        |           | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

Lab Sample ID: 890-5667-A-1-D MSD

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67649

| 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 | <50.2         | U                | 1010        | 788.4      |               | mg/Kg |   | 75   | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.2         | U                | 1010        | 767.2      |               | mg/Kg |   | 73   | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 80        |           | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Method: 300.0 - Anions, Ion Chromatography

|                                   |               |                  |             |             |                |          |                |         |             |  |           |
|-----------------------------------|---------------|------------------|-------------|-------------|----------------|----------|----------------|---------|-------------|--|-----------|
| Lab Sample ID: MB 880-67441/1-A   |               |                  |             |             |                |          |                |         |             | Client Sample ID: Method Blank           |           |
| Matrix: Solid                     |               |                  |             |             |                |          |                |         |             | Prep Type: Soluble                       |           |
| Analysis Batch: 67627             |               |                  |             |             |                |          |                |         |             |  |           |
| Analyte                           | MB Result     | MB Qualifier     | RL          | Unit        | D              | Prepared | Analyzed       | Dil Fac |             |  |           |
| Chloride                          | <5.00         | U                | 5.00        | mg/Kg       |                |          | 11/22/23 03:28 | 1       |             |  |           |
| Lab Sample ID: LCS 880-67441/2-A  |               |                  |             |             |                |          |                |         |             | Client Sample ID: Lab Control Sample     |           |
| Matrix: Solid                     |               |                  |             |             |                |          |                |         |             | Prep Type: Soluble                       |           |
| Analysis Batch: 67627             |               |                  |             |             |                |          |                |         |             |  |           |
| Analyte                           |               |                  | Spike Added | LCS Result  | LCS Qualifier  | Unit     | D              | %Rec    | %Rec Limits |  |           |
| Chloride                          |               |                  | 250         | 254.9       |                | mg/Kg    |                | 102     | 90 - 110    |  |           |
| Lab Sample ID: LCSD 880-67441/3-A |               |                  |             |             |                |          |                |         |             | Client Sample ID: Lab Control Sample Dup |           |
| Matrix: Solid                     |               |                  |             |             |                |          |                |         |             | Prep Type: Soluble                       |           |
| Analysis Batch: 67627             |               |                  |             |             |                |          |                |         |             |  |           |
| Analyte                           |               |                  | Spike Added | LCSD Result | LCSD Qualifier | Unit     | D              | %Rec    | %Rec Limits | RPD                                      | RPD Limit |
| Chloride                          |               |                  | 250         | 255.8       |                | mg/Kg    |                | 102     | 90 - 110    | 0  | 20        |
| Lab Sample ID: 890-5651-1 MS      |               |                  |             |             |                |          |                |         |             | Client Sample ID: PH01                   |           |
| Matrix: Solid                     |               |                  |             |             |                |          |                |         |             | Prep Type: Soluble                       |           |
| Analysis Batch: 67627             |               |                  |             |             |                |          |                |         |             |  |           |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MS Result   | MS Qualifier   | Unit     | D              | %Rec    | %Rec Limits |  |           |
| Chloride                          | 7.71          |                  | 250         | 263.3       |                | mg/Kg    |                | 102     | 90 - 110    |  |           |
| Lab Sample ID: 890-5651-1 MSD     |               |                  |             |             |                |          |                |         |             | Client Sample ID: PH01                   |           |
| Matrix: Solid                     |               |                  |             |             |                |          |                |         |             | Prep Type: Soluble                       |           |
| Analysis Batch: 67627             |               |                  |             |             |                |          |                |         |             |  |           |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MSD Result  | MSD Qualifier  | Unit     | D              | %Rec    | %Rec Limits | RPD                                      | RPD Limit |
| Chloride                          | 7.71          |                  | 250         | 264.1       |                | mg/Kg    |                | 103     | 90 - 110    | 0  | 20        |

## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

## GC VOA

## Prep Batch: 67582

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5651-1          | PH01                   | Total/NA  | Solid  | 5035   |            |
| 890-5651-2          | PH01                   | Total/NA  | Solid  | 5035   |            |
| 890-5651-3          | PH02                   | Total/NA  | Solid  | 5035   |            |
| 890-5651-4          | PH02                   | Total/NA  | Solid  | 5035   |            |
| MB 880-67582/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67582/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67582/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-35973-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-35973-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67690

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5651-1          | PH01                   | Total/NA  | Solid  | 8021B  | 67582      |
| 890-5651-2          | PH01                   | Total/NA  | Solid  | 8021B  | 67582      |
| 890-5651-3          | PH02                   | Total/NA  | Solid  | 8021B  | 67582      |
| 890-5651-4          | PH02                   | Total/NA  | Solid  | 8021B  | 67582      |
| MB 880-67582/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 67582      |
| LCS 880-67582/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67582      |
| LCSD 880-67582/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67582      |
| 880-35973-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67582      |
| 880-35973-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67582      |

## Analysis Batch: 67786

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5651-1    | PH01             | Total/NA  | Solid  | Total BTEX |            |
| 890-5651-2    | PH01             | Total/NA  | Solid  | Total BTEX |            |
| 890-5651-3    | PH02             | Total/NA  | Solid  | Total BTEX |            |
| 890-5651-4    | PH02             | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 67649

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-5651-1         | PH01                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5651-2         | PH01                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5651-3         | PH02                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5651-4         | PH02                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67649/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67649/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67649/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5667-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5667-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67686

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 890-5651-1        | PH01               | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5651-2        | PH01               | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5651-3        | PH02               | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5651-4        | PH02               | Total/NA  | Solid  | 8015B NM | 67649      |
| MB 880-67649/1-A  | Method Blank       | Total/NA  | Solid  | 8015B NM | 67649      |
| LCS 880-67649/2-A | Lab Control Sample | Total/NA  | Solid  | 8015B NM | 67649      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

## GC Semi VOA (Continued)

## Analysis Batch: 67686 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-67649/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5667-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5667-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67649      |

## Analysis Batch: 67799

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5651-1    | PH01             | Total/NA  | Solid  | 8015 NM |            |
| 890-5651-2    | PH01             | Total/NA  | Solid  | 8015 NM |            |
| 890-5651-3    | PH02             | Total/NA  | Solid  | 8015 NM |            |
| 890-5651-4    | PH02             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 67441

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5651-1         | PH01                   | Soluble   | Solid  | DI Leach |            |
| 890-5651-2         | PH01                   | Soluble   | Solid  | DI Leach |            |
| 890-5651-3         | PH02                   | Soluble   | Solid  | DI Leach |            |
| 890-5651-4         | PH02                   | Soluble   | Solid  | DI Leach |            |
| MB 880-67441/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-67441/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-67441/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5651-1 MS      | PH01                   | Soluble   | Solid  | DI Leach |            |
| 890-5651-1 MSD     | PH01                   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 67627

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5651-1         | PH01                   | Soluble   | Solid  | 300.0  | 67441      |
| 890-5651-2         | PH01                   | Soluble   | Solid  | 300.0  | 67441      |
| 890-5651-3         | PH02                   | Soluble   | Solid  | 300.0  | 67441      |
| 890-5651-4         | PH02                   | Soluble   | Solid  | 300.0  | 67441      |
| MB 880-67441/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 67441      |
| LCS 880-67441/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 67441      |
| LCSD 880-67441/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 67441      |
| 890-5651-1 MS      | PH01                   | Soluble   | Solid  | 300.0  | 67441      |
| 890-5651-1 MSD     | PH01                   | Soluble   | Solid  | 300.0  | 67441      |

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH01

Date Collected: 11/15/23 10:00

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5651-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 67582        | 11/21/23 16:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67690        | 11/27/23 14:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67786        | 11/27/23 14:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67799        | 11/27/23 16:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 16:25       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 67441        | 11/20/23 14:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67627        | 11/22/23 03:48       | SMC     | EET MID |

Client Sample ID: PH01

Date Collected: 11/15/23 10:25

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5651-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 67582        | 11/21/23 16:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67690        | 11/27/23 14:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67786        | 11/27/23 14:40       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67799        | 11/27/23 16:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 16:49       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 67441        | 11/20/23 14:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67627        | 11/22/23 04:07       | SMC     | EET MID |

Client Sample ID: PH02

Date Collected: 11/15/23 10:35

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5651-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 67582        | 11/21/23 16:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67690        | 11/27/23 15:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67786        | 11/27/23 15:00       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67799        | 11/27/23 17:11       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 17:11       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 67441        | 11/20/23 14:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67627        | 11/22/23 04:14       | SMC     | EET MID |

Client Sample ID: PH02

Date Collected: 11/15/23 11:00

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5651-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 67582        | 11/21/23 16:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67690        | 11/27/23 16:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67786        | 11/27/23 16:28       | SM      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

Client Sample ID: PH02

Lab Sample ID: 890-5651-4

Date Collected: 11/15/23 11:00

Matrix: Solid

Date Received: 11/17/23 09:31

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67799        | 11/27/23 17:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 17:33       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 67441        | 11/20/23 14:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67627        | 11/22/23 04:21       | SMC     | EET MID |

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

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

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

**Protocol References:**  
ASTM = ASTM International  
EPA = US Environmental Protection Agency  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5651-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5651-1    | PH01             | Solid  | 11/15/23 10:00 | 11/17/23 09:31 | 2     |
| 890-5651-2    | PH01             | Solid  | 11/15/23 10:25 | 11/17/23 09:31 | 5.5   |
| 890-5651-3    | PH02             | Solid  | 11/15/23 10:35 | 11/17/23 09:31 | 1     |
| 890-5651-4    | PH02             | Solid  | 11/15/23 11:00 | 11/17/23 09:31 | 5     |

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## Environment Testing

### Xenco

## Chain of Custody

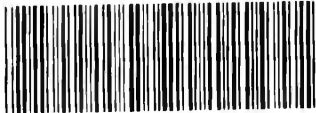

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1


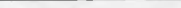
|                  |                         |                         |                     |
|------------------|-------------------------|-------------------------|---------------------|
| Project Manager: | Ben Bell                | Bill to: (if different) | Garrett Green       |
| Company Name:    | Ensdum LLC              | Company Name:           | XTO energy          |
| Address:         | 3122 National Parks Hwy | Address:                | 3104 E Greene St    |
| City, State ZIP: | Carlisle, NM, 88220     | City, State ZIP:        | Carlisle, NM, 88220 |
| Phone:           | 989-654-0852            | Email:                  | BBell@ensdum.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:  |  | Turn Around   |              | ANALYSIS REQUEST  |       |   |           |   |   |   |  |  |  |  |  | Preservative Codes                              |  |   |  |                            |  |  |                |  |
|--|--|---|--------------|---|-------|---|-----------|---|---|---|--|--|--|--|--|---|--|---|--|----------------------------|--|--|----------------|--|
| Project Number:  |  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush       |              | <div style="text-align: center;">  <p>890-5651 Chain of Custody</p> </div> |       |   |           |   |   |   |  |  |  |  |  | None: NO  |  | DI Water: H <sub>2</sub> O  |  |                            |  |  |                |  |
| Project Location:  |  | Due Date:   |              |   |       |   |           |   |   |   |  |  |  |  |  | Cool: Cool                                      |  | MeOH: Me  |  |                            |  |  |                |  |
| Sampler's Name:  |  | TAT starts the day received by the lab, if received by 4:30pm                   |              |   |       |   |           |   |   |   |  |  |  |  |  | HCL: HC   |  | HNO <sub>3</sub> : HN   |  |                            |  |  |                |  |
| PO #:  |  |   |              |   |       |   |           |   |   |   |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> |  | NaOH: Na  |  |                            |  |  |                |  |
| SAMPLE RECEIPT   |  | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |              | Wet Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No   |       | <div style="text-align: center;">  <p>890-5651 Chain of Custody</p> </div> |           |   |   |   |  |  |  |  |  |   |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  | NaHSO <sub>4</sub> : NABIS |  |  |                |  |
| Samples Received Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | Thermometer ID: <u>TNMO</u>   |              | Correction Factor: <u>-0.2</u>  |       |   |           |   |   |   |  |  |  |  |  |   |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |  |                |  |
| Cooler Custody Seals: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    |  | Temperature Reading: <u>3.4</u>   |              | Corrected Temperature: <u>3.2</u>   |       |   |           |   |   |   |  |  |  |  |  |   |  | Zn Acetate+NaOH: Zn   |  |                            |  |  |                |  |
| Sample Custody Seals: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    |  |   |              |   |       |   |           |   |   |   |  |  |  |  |  |   |  | NaOH+Ascorbic Acid: SAPC  |  |                            |  |  |                |  |
| Total Containers:  |  |   |              |   |       |   |           |   |   |   |  |  |  |  |  |   |  |   |  |                            |  |  |                |  |
| Sample Identification  |  | Matrix  | Date Sampled | Time Sampled  | Depth | Grab/Comp   | # of Cont |   |   |   |  |  |  |  |  |   |  |   |  | Sample Comments            |  |  |                |  |
| pH01   |  | S   | 11/15/23     | 10:00   | 2     | G   | 1         | X | X | X |  |  |  |  |  |   |  |   |  |                            |  |  | Cost Center    |  |
| pH01   |  |   |              | 10:25   | 3.5   |   |           |   |   |   |  |  |  |  |  |   |  |   |  |                            |  |  | 1036151001     |  |
| pH02   |  |   |              | 10:35   | 1     |   |           |   |   |   |  |  |  |  |  |   |  |   |  |                            |  |  | Iccident #     |  |
| pH02   |  |   |              | 11:00   | 5     |   |           |   |   |   |  |  |  |  |  |   |  |   |  |                            |  |  | nAPP2330651127 |  |

|  |               |                    |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |     |                  |         |        |        |    |   |   |    |
|--|---------------|--------------------|-------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|-----|------------------|---------|--------|--------|----|---|---|----|
| 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 <sub>2</sub> | 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 |      |
|------------------------------|---|---|-------|-----------|------|
| 1                            |  |  | 11-17 | 2         | 9:31 |
| 3                            |   |   |       | 4         |      |
| 5                            |   |   |       | 6         |      |

Revised Date: 08/25/2020 Rev: 2020.2

Ver: 06/08/2021

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5651-1

SDG Number: 03C1558289

Login Number: 5651

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5651-1

SDG Number: 03C1558289

Login Number: 5651

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 11/20/23 10:41 AM

| 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.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| 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: Ben Belill  
Ensolum

601 N. Marienfeld St.  
Suite 400

Midland, Texas 79701

Generated 11/28/2023 12:48:28 PM

## JOB DESCRIPTION

Outrider CVB  
03C1558289

## JOB NUMBER

890-5652-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
11/28/2023 12:48:28 PM

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

Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5652-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control 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, low 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: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

**Job ID: 890-5652-1**

**Laboratory: Eurofins Carlsbad**

**Narrative****Job Narrative  
890-5652-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 11/17/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-5652-1), FS02 (890-5652-2), SW01 (890-5652-3) and SW02 (890-5652-4).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-67587/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-67689/33) and (LCSD 880-67587/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-67694/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67587 and analytical batch 880-67689 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (890-5667-A-1-C MS) and (890-5667-A-1-D MSD). 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**

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: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: FS01

Lab Sample ID: 890-5652-1

Date Collected: 11/16/23 10:25

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: - 5

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| Toluene             | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| Ethylbenzene        | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| o-Xylene            | <0.00199 | U F1      | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| Xylenes, Total      | <0.00398 | U F1      | 0.00398 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:25 | 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 |   |          | 11/28/23 02:25 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 160    |           | 50.0 | mg/Kg |   |          | 11/27/23 17:54 | 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 |   | 11/22/23 14:59 | 11/27/23 17:54 | 1       |
| Diesel Range Organics (Over C10-C28) | 160    |           | 50.0 | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 11/22/23 14:59 | 11/27/23 17:54 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 80        |           | 70 - 130 | 11/22/23 14:59 | 11/27/23 17:54 | 1       |
| o-Terphenyl    | 75        |           | 70 - 130 | 11/22/23 14:59 | 11/27/23 17:54 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 11.6   |           | 5.03 | mg/Kg |   |          | 11/22/23 05:48 | 1       |

Client Sample ID: FS02

Lab Sample ID: 890-5652-2

Date Collected: 11/16/23 10:30

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: - 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 |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:51 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: FS02

Lab Sample ID: 890-5652-2

Date Collected: 11/16/23 10:30

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: - 5

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 127       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:51 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 11/28/23 02:51 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 11/27/23 18:15 | 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 | <49.8     | U         | 49.8     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 18:15 | 1       |
| o-Terphenyl                          | 75        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 18:15 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 10.5   |           | 5.02 | mg/Kg |   |          | 11/22/23 05:53 | 1       |

Client Sample ID: SW01

Lab Sample ID: 890-5652-3

Date Collected: 11/16/23 10:55

Matrix: Solid

Date Received: 11/17/23 09:31

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 |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| m-Xylene & p-Xylene | 0.0126   |           | 0.00402 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| o-Xylene            | 0.0404   |           | 0.00201 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| Xylenes, Total      | 0.0530   |           | 0.00402 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:17 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 03:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 03:17 | 1       |

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

| Analyte    | Result | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.0530 |           | 0.00402 | mg/Kg |   |          | 11/28/23 03:17 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 739    |           | 49.7 | mg/Kg |   |          | 11/27/23 18:34 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: SW01

Lab Sample ID: 890-5652-3

Date Collected: 11/16/23 10:55

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: - 0-5

## 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 | 83.2      |           | 49.7     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:34 | 1       |
| Diesel Range Organics (Over C10-C28) | 598       |           | 49.7     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:34 | 1       |
| Oil Range Organics (Over C28-C36)    | 57.8      |           | 49.7     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:34 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 18:34 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 18:34 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 25.7   |           | 5.04 | mg/Kg |   |          | 11/22/23 06:10 | 1       |

Client Sample ID: SW02

Lab Sample ID: 890-5652-4

Date Collected: 11/16/23 12:50

Matrix: Solid

Date Received: 11/17/23 09:31

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 |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| o-Xylene                    | 0.177     |           | 0.00200  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| Xylenes, Total              | 0.177     |           | 0.00401  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 03:42 | 1       |

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

| Analyte    | Result | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.177  |           | 0.00401 | mg/Kg |   |          | 11/28/23 03:42 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 762    |           | 50.0 | mg/Kg |   |          | 11/27/23 18:55 | 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 | 76.8      |           | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:55 | 1       |
| Diesel Range Organics (Over C10-C28) | 619       |           | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:55 | 1       |
| Oil Range Organics (Over C28-C36)    | 65.7      |           | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 18:55 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 18:55 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: SW02  
Date Collected: 11/16/23 12:50  
Date Received: 11/17/23 09:31  
Sample Depth: - 0-5

Lab Sample ID: 890-5652-4  
Matrix: Solid

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

| Surrogate   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 75        |           | 70 - 130 | 11/22/23 14:59 | 11/27/23 18:55 | 1       |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 28.0   |           | 5.01 | mg/Kg |   |          | 11/22/23 06:16 | 1       |

Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-5652-1                        | FS01                   | 111  | 92                |
| 890-5652-1 MS                     | FS01                   | 116  | 89                |
| 890-5652-1 MSD                    | FS01                   | 114  | 98                |
| 890-5652-2                        | FS02                   | 114  | 127               |
| 890-5652-3                        | SW01                   | 110  | 81                |
| 890-5652-4                        | SW02                   | 118  | 106               |
| LCS 880-67587/1-A                 | Lab Control Sample     | 116  | 124               |
| LCSD 880-67587/2-A                | Lab Control Sample Dup | 130  | 136 S1+           |
| MB 880-67587/5-A                  | Method Blank           | 55 S1-   | 91                |
| MB 880-67694/5-A                  | Method Blank           | 54 S1-   | 82                |
| 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<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-5652-1           | FS01                   | 80   | 75                |
| 890-5652-2           | FS02                   | 78   | 75                |
| 890-5652-3           | SW01                   | 79   | 74                |
| 890-5652-4           | SW02                   | 80   | 75                |
| 890-5667-A-1-C MS    | Matrix Spike           | 78   | 68 S1-            |
| 890-5667-A-1-D MSD   | Matrix Spike Duplicate | 80   | 68 S1-            |
| LCS 880-67649/2-A    | Lab Control Sample     | 107  | 114               |
| LCSD 880-67649/3-A   | Lab Control Sample Dup | 128  | 130               |
| MB 880-67649/1-A     | Method Blank           | 98   | 99                |
| Surrogate Legend     |                        |  |                   |
| 1CO = 1-Chlorooctane |                        |  |                   |
| OTPH = o-Terphenyl   |                        |  |                   |

## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67587/5-A

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67587

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 55              | S1-             | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91              |                 | 70 - 130 | 11/21/23 16:50 | 11/28/23 02:00 | 1       |

Lab Sample ID: LCS 880-67587/1-A

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67587

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08664       |                  | mg/Kg |   | 87   | 70 - 130       |
| Toluene             | 0.100          | 0.09013       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08909       |                  | mg/Kg |   | 89   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1706        |                  | mg/Kg |   | 85   | 70 - 130       |
| o-Xylene            | 0.100          | 0.08496       |                  | mg/Kg |   | 85   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 116              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 124              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-67587/2-A

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67587

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09164        |                   | mg/Kg |   | 92   | 70 - 130       | 6   | 35           |
| Toluene             | 0.100          | 0.09886        |                   | mg/Kg |   | 99   | 70 - 130       | 9   | 35           |
| Ethylbenzene        | 0.100          | 0.1003         |                   | mg/Kg |   | 100  | 70 - 130       | 12  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1950         |                   | mg/Kg |   | 97   | 70 - 130       | 13  | 35           |
| o-Xylene            | 0.100          | 0.09616        |                   | mg/Kg |   | 96   | 70 - 130       | 12  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 130               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 136               | S1+               | 70 - 130 |

Lab Sample ID: 890-5652-1 MS

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 67587

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00199         | U F1                | 0.0996         | 0.07634      |                 | mg/Kg |   | 76   | 70 - 130       |
| Toluene | <0.00199         | U F1                | 0.0996         | 0.07498      |                 | mg/Kg |   | 75   | 70 - 130       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5652-1 MS

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 67587

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00199      | U F1             | 0.0996      | 0.06207   | F1           | mg/Kg |   | 62   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.199       | 0.1307    | F1           | mg/Kg |   | 66   | 70 - 130    |
| o-Xylene                    | <0.00199      | U F1             | 0.0996      | 0.07267   |              | mg/Kg |   | 73   | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | MS Limits   |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 116           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 89            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-5652-1 MSD

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 67587

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00199      | U F1             | 0.100       | 0.06395    | F1            | mg/Kg |   | 63   | 70 - 130    | 18  | 35        |
| Toluene                     | <0.00199      | U F1             | 0.100       | 0.06776    | F1            | mg/Kg |   | 68   | 70 - 130    | 10  | 35        |
| Ethylbenzene                | <0.00199      | U F1             | 0.100       | 0.05547    | F1            | mg/Kg |   | 55   | 70 - 130    | 11  | 35        |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.200       | 0.1169     | F1            | mg/Kg |   | 58   | 70 - 130    | 11  | 35        |
| o-Xylene                    | <0.00199      | U F1             | 0.100       | 0.06470    | F1            | mg/Kg |   | 65   | 70 - 130    | 12  | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | MSD Limits  |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 114           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 98            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-67694/5-A

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67694

| Analyte                     | MB Result    | MB Qualifier | RL        | Unit           | D              | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|-----------|----------------|----------------|----------------|----------------|---------|
| Benzene                     | <0.00200     | U            | 0.00200   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Toluene                     | <0.00200     | U            | 0.00200   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Ethylbenzene                | <0.00200     | U            | 0.00200   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| m-Xylene & p-Xylene         | <0.00400     | U            | 0.00400   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| o-Xylene                    | <0.00200     | U            | 0.00200   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Xylenes, Total              | <0.00400     | U            | 0.00400   | mg/Kg          |                | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
|                             |              |              |           |                |                |                |                |         |
| Surrogate                   | MB %Recovery | MB Qualifier | MB Limits | Prepared       | Analyzed       | Dil Fac        |                |         |
| 4-Bromofluorobenzene (Surr) | 54           | S1-          | 70 - 130  | 11/27/23 09:14 | 11/27/23 12:32 | 1              |                |         |
| 1,4-Difluorobenzene (Surr)  | 82           |              | 70 - 130  | 11/27/23 09:14 | 11/27/23 12:32 | 1              |                |         |

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

Lab Sample ID: MB 880-67649/1-A

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67649

| 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 |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67649/1-A  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 67649

| Analyte                              | MB        | MB        | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |       |   |                |                |         |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
| Surrogate                            | MB        | MB        | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |       |   |                |                |         |
| 1-Chlorooctane                       | 98        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |
| o-Terphenyl                          | 99        |           | 70 - 130 |       |   | 11/22/23 14:59 | 11/27/23 07:57 | 1       |

Lab Sample ID: LCS 880-67649/2-A  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 67649

| Analyte                              | Spike Added | LCS       | LCS       | Unit  | D | %Rec      | %Rec Limits |          |
|--------------------------------------|-------------|-----------|-----------|-------|---|-----------|-------------|----------|
|                                      |             | Result    | Qualifier |       |   |           |             |          |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 989.1     |           | mg/Kg |   | 99        | 70 - 130    |          |
| Diesel Range Organics (Over C10-C28) | 1000        | 1050      |           | mg/Kg |   | 105       | 70 - 130    |          |
| Surrogate                            |             | LCS       | LCS       |       |   | %Recovery | Qualifier   | Limits   |
|                                      |             | %Recovery |           |       |   |           |             |          |
| 1-Chlorooctane                       |             | 107       |           |       |   |           |             | 70 - 130 |
| o-Terphenyl                          |             | 114       |           |       |   |           |             | 70 - 130 |

Lab Sample ID: LCSD 880-67649/3-A  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 67649

| Analyte                              | Spike Added | LCSD      | LCSD      | Unit  | D | %Rec      | %Rec Limits | RPD      | RPD Limit |
|--------------------------------------|-------------|-----------|-----------|-------|---|-----------|-------------|----------|-----------|
|                                      |             | Result    | Qualifier |       |   |           |             |          |           |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1189      |           | mg/Kg |   | 119       | 70 - 130    | 18       | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1248      |           | mg/Kg |   | 125       | 70 - 130    | 17       | 20        |
| Surrogate                            |             | LCSD      | LCSD      |       |   | %Recovery | Qualifier   | Limits   |           |
|                                      |             | %Recovery |           |       |   |           |             |          |           |
| 1-Chlorooctane                       |             | 128       |           |       |   |           |             | 70 - 130 |           |
| o-Terphenyl                          |             | 130       |           |       |   |           |             | 70 - 130 |           |

Lab Sample ID: 890-5667-A-1-C MS  
Matrix: Solid  
Analysis Batch: 67686

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 67649

| Analyte                              | Sample    | Sample    | Spike Added | MS     | MS        | Unit  | D | %Rec      | %Rec Limits |  |
|--------------------------------------|-----------|-----------|-------------|--------|-----------|-------|---|-----------|-------------|--|
|                                      | Result    | Qualifier |             | Result | Qualifier |       |   |           |             |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.2     | U         | 1010        | 763.8  |           | mg/Kg |   | 72        | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 1010        | 749.5  |           | mg/Kg |   | 71        | 70 - 130    |  |
| Surrogate                            | MS        | MS        | Limits      |        |           |       |   | %Recovery | Qualifier   |  |
|                                      | %Recovery |           |             |        |           |       |   |           |             |  |
| 1-Chlorooctane                       | 78        |           | 70 - 130    |        |           |       |   |           |             |  |
| o-Terphenyl                          | 68        | S1-       | 70 - 130    |        |           |       |   |           |             |  |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5667-A-1-D MSD

Matrix: Solid

Analysis Batch: 67686

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67649

| 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 | <50.2         | U                | 1010        | 788.4      |               | mg/Kg |   | 75   | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.2         | U                | 1010        | 767.2      |               | mg/Kg |   | 73   | 70 - 130    | 2   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 80            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 68            | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67439/1-A

Matrix: Solid

Analysis Batch: 67621

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 |   |          | 11/22/23 05:03 | 1       |

Lab Sample ID: LCS 880-67439/2-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 242.4      |               | mg/Kg |   | 97   | 90 - 110    |

Lab Sample ID: LCSD 880-67439/3-A

Matrix: Solid

Analysis Batch: 67621

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         | 245.2       |                | mg/Kg |   | 98   | 90 - 110    | 1   | 20        |

Lab Sample ID: 820-10978-A-21-D MS

Matrix: Solid

Analysis Batch: 67621

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 | 14.4          |                  | 248         | 261.8     |              | mg/Kg |   | 100  | 90 - 110    |

Lab Sample ID: 820-10978-A-21-E MSD

Matrix: Solid

Analysis Batch: 67621

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 | 14.4          |                  | 248         | 263.9      |               | mg/Kg |   | 101  | 90 - 110    | 1   | 20        |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-67443/1-A

Matrix: Solid

Analysis Batch: 67629

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 11/22/23 11:08 | 1       |

Lab Sample ID: LCS 880-67443/2-A

Matrix: Solid

Analysis Batch: 67629

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 260.9         |                  | mg/Kg |   | 104  | 90 - 110       |

Lab Sample ID: LCSD 880-67443/3-A

Matrix: Solid

Analysis Batch: 67629

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 261.7          |                   | mg/Kg |   | 105  | 90 - 110       | 0   | 20           |

Lab Sample ID: 820-10990-A-1-B MS

Matrix: Solid

Analysis Batch: 67629

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 259              |                     | 248            | 503.2        |                 | mg/Kg |   | 99   | 90 - 110       |

Lab Sample ID: 820-10990-A-1-C MSD

Matrix: Solid

Analysis Batch: 67629

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 259              |                     | 248            | 505.1         |                  | mg/Kg |   | 99   | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

## GC VOA

## Prep Batch: 67587

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5652-1         | FS01                   | Total/NA  | Solid  | 5035   |            |
| 890-5652-2         | FS02                   | Total/NA  | Solid  | 5035   |            |
| 890-5652-3         | SW01                   | Total/NA  | Solid  | 5035   |            |
| 890-5652-4         | SW02                   | Total/NA  | Solid  | 5035   |            |
| MB 880-67587/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5652-1 MS      | FS01                   | Total/NA  | Solid  | 5035   |            |
| 890-5652-1 MSD     | FS01                   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67689

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5652-1         | FS01                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-2         | FS02                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-3         | SW01                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-4         | SW02                   | Total/NA  | Solid  | 8021B  | 67587      |
| MB 880-67587/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 67587      |
| MB 880-67694/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 67694      |
| LCS 880-67587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67587      |
| LCSD 880-67587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-1 MS      | FS01                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-1 MSD     | FS01                   | Total/NA  | Solid  | 8021B  | 67587      |

## Prep Batch: 67694

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-67694/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67871

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5652-1    | FS01             | Total/NA  | Solid  | Total BTEX |            |
| 890-5652-2    | FS02             | Total/NA  | Solid  | Total BTEX |            |
| 890-5652-3    | SW01             | Total/NA  | Solid  | Total BTEX |            |
| 890-5652-4    | SW02             | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 67649

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-5652-1         | FS01                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5652-2         | FS02                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5652-3         | SW01                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5652-4         | SW02                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67649/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67649/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67649/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5667-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5667-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-5652-1    | FS01             | Total/NA  | Solid  | 8015B NM | 67649      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

## GC Semi VOA (Continued)

## Analysis Batch: 67686 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5652-2         | FS02                   | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5652-3         | SW01                   | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5652-4         | SW02                   | Total/NA  | Solid  | 8015B NM | 67649      |
| MB 880-67649/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 67649      |
| LCS 880-67649/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67649      |
| LCSD 880-67649/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5667-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67649      |
| 890-5667-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67649      |

## Analysis Batch: 67824

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5652-1    | FS01             | Total/NA  | Solid  | 8015 NM |            |
| 890-5652-2    | FS02             | Total/NA  | Solid  | 8015 NM |            |
| 890-5652-3    | SW01             | Total/NA  | Solid  | 8015 NM |            |
| 890-5652-4    | SW02             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 67439

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-5652-1           | FS01                   | Soluble   | Solid  | DI Leach |            |
| 890-5652-2           | FS02                   | Soluble   | Solid  | DI Leach |            |
| 890-5652-3           | SW01                   | Soluble   | Solid  | DI Leach |            |
| 890-5652-4           | SW02                   | Soluble   | Solid  | DI Leach |            |
| MB 880-67439/1-A     | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-67439/2-A    | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-67439/3-A   | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 820-10978-A-21-D MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 820-10978-A-21-E MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 67443

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| MB 880-67443/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-67443/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-67443/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 820-10990-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 820-10990-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 67621

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-5652-1           | FS01                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5652-2           | FS02                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5652-3           | SW01                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5652-4           | SW02                   | Soluble   | Solid  | 300.0  | 67439      |
| MB 880-67439/1-A     | Method Blank           | Soluble   | Solid  | 300.0  | 67439      |
| LCS 880-67439/2-A    | Lab Control Sample     | Soluble   | Solid  | 300.0  | 67439      |
| LCSD 880-67439/3-A   | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 67439      |
| 820-10978-A-21-D MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 67439      |
| 820-10978-A-21-E MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 67439      |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

HPLC/IC

Analysis Batch: 67629

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 880-67443/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 67443      |
| LCS 880-67443/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 67443      |
| LCSD 880-67443/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 67443      |
| 820-10990-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 67443      |
| 820-10990-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 67443      |

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: FS01

Date Collected: 11/16/23 10:25

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5652-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 02:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67871        | 11/28/23 02:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67824        | 11/27/23 17:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 17:54       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 05:48       | SMC     | EET MID |

Client Sample ID: FS02

Date Collected: 11/16/23 10:30

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5652-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 02:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67871        | 11/28/23 02:51       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67824        | 11/27/23 18:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 18:15       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 05:53       | SMC     | EET MID |

Client Sample ID: SW01

Date Collected: 11/16/23 10:55

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5652-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 03:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67871        | 11/28/23 03:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67824        | 11/27/23 18:34       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 18:34       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 06:10       | SMC     | EET MID |

Client Sample ID: SW02

Date Collected: 11/16/23 12:50

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5652-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 03:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67871        | 11/28/23 03:42       | SM      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

Client Sample ID: SW02

Date Collected: 11/16/23 12:50

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5652-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67824        | 11/27/23 18:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 67649        | 11/22/23 14:59       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67686        | 11/27/23 18:55       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 06:16       | SMC     | EET MID |

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5652-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5652-1    | FS01             | Solid  | 11/16/23 10:25 | 11/17/23 09:31 | - 5   |
| 890-5652-2    | FS02             | Solid  | 11/16/23 10:30 | 11/17/23 09:31 | - 5   |
| 890-5652-3    | SW01             | Solid  | 11/16/23 10:55 | 11/17/23 09:31 | - 0-5 |
| 890-5652-4    | SW02             | Solid  | 11/16/23 12:50 | 11/17/23 09:31 | - 0-5 |

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- 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) 988-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page \_\_\_\_\_ of \_\_\_\_\_

|                  |                      |                         |                     |
|------------------|----------------------|-------------------------|---------------------|
| Project Manager: | Ben Bell             | Bill to: (if different) | Garett Green        |
| Company Name:    | ensolium LLC         | Company Name:           | VTO Energy          |
| Address:         | 3122 National Rk Hwy | Address:                | 5104 E Greene St    |
| City, State ZIP: | Carlsbad, NM, 88220  | City, State ZIP:        | Carlsbad, NM, 88220 |
| Phone:           | 769-854-0852         | Email:                  | BBell@ensolium.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:            |  | Turn Around   |              | ANALYSIS REQUEST  |       |           |           |   |   |   |  |  |  |  |  | Preservative Codes |  |   |  |                 |  |  |             |  |
| Project Number:          |  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush       |              | Pres. Code  |       |           |           |   |   |   |  |  |  |  |  |                    |  | None: NO DI Water: H <sub>2</sub> O                               |  |                 |  |  |             |  |
| Project Location:        |  | Due Date:   |              |   |       |           |           |   |   |   |  |  |  |  |  |                    |  | Cool: Cool MeOH: Me   |  |                 |  |  |             |  |
| Sampler's Name:          |  | TAT starts the day received by the lab, if received by 4:30pm                   |              |   |       |           |           |   |   |   |  |  |  |  |  |                    |  | HCL: HC HNO <sub>3</sub> : HN                                     |  |                 |  |  |             |  |
| P.O. #:                  |  |   |              |   |       |           |           |   |   |   |  |  |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |  |                 |  |  |             |  |
| SAMPLE RECEIPT           |  | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |              | Wet Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No |       |           |           |   |   |   |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                 |  |  |             |  |
| Samples Received Intact: |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No             |              | Thermometer ID:   |       |           |           |   |   |   |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS  |  |                 |  |  |             |  |
| Cooler Custody Seals:    |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A         |              | Correction Factor:  |       |           |           |   |   |   |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                 |  |  |             |  |
| Sample Custody Seals:    |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A         |              | Temperature Reading:  |       |           |           |   |   |   |  |  |  |  |  |                    |  | Zn Acetate+NaOH: Zn   |  |                 |  |  |             |  |
| Total Containers:        |  |   |              | Corrected Temperature:  |       |           |           |   |   |   |  |  |  |  |  |                    |  | NaOH+Ascorbic Acid: SAPC  |  |                 |  |  |             |  |
| Sample Identification    |  | Matrix  | Date Sampled | Time Sampled  | Depth | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |                    |  |   |  | Sample Comments |  |  |             |  |
| FS01                     |  | S   | 11/16/23     | 10:25   | 5'    | C         | 4         | X | X | X |  |  |  |  |  |                    |  |   |  |                 |  |  | Cost Center |  |
| FS02                     |  |   |              | 10:30   | 5'    |           |           |   |   |   |  |  |  |  |  |                    |  |   |  |                 |  |  | 1086151001  |  |
| SW01                     |  |   |              | 10:55   | 0-5'  |           |           |   |   |   |  |  |  |  |  |                    |  |   |  |                 |  |  | Incident #  |  |
| SW02                     |  |   |              | 10:50   | 0-5'  |           |           |   |   |   |  |  |  |  |  |                    |  |   |  |                 |  |  | 2330651127  |  |

|  |               |                        |   |
|--|---------------|------------------------|---|
| 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 <sub>2</sub> 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                            | 2                        | 11-17     | 3                            | 4                        |           |
| 5                            |                          |           |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

Ver 06/08/2021

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5652-1

SDG Number: 03C1558289

Login Number: 5652

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5652-1

SDG Number: 03C1558289

Login Number: 5652  
List Number: 2  
Creator: Kramer, Jessica

List Source: Eurofins Midland  
List Creation: 11/20/23 10:41 AM

| 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.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| 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: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 11/29/2023 10:04:27 AM

## JOB DESCRIPTION

Outrider CVB

03C1558289

## JOB NUMBER

890-5654-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
11/29/2023 10:04:27 AM

Authorized for release by  
Jessica Kramer, Project Manager  
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Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5654-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| 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: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

**Job ID: 890-5654-1**

**Laboratory: Eurofins Carlsbad**

**Narrative****Job Narrative  
890-5654-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 11/17/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: PH 04 (890-5654-1), PH 04 (890-5654-2), PH 04 (890-5654-3), PH 04 (890-5654-4) and PH 04 (890-5654-5).

**GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67586 and analytical batch 880-67691 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67586 and analytical batch 880-67691 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-67650 and analytical batch 880-67805 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.

**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: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04

Lab Sample ID: 890-5654-1

Date Collected: 11/16/23 13:20

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 1'

## 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 |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 17:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 17:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 17:57 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 11/27/23 17:57 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 | mg/Kg |   |          | 11/28/23 13:48 | 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 | <50.3  | U         | 50.3 | mg/Kg |   | 11/22/23 15:02 | 11/28/23 13:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3  | U         | 50.3 | mg/Kg |   | 11/22/23 15:02 | 11/28/23 13:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3  | U         | 50.3 | mg/Kg |   | 11/22/23 15:02 | 11/28/23 13:48 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 80        |           | 70 - 130 | 11/22/23 15:02 | 11/28/23 13:48 | 1       |
| o-Terphenyl    | 74        |           | 70 - 130 | 11/22/23 15:02 | 11/28/23 13:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 23.8   |           | 5.05 | mg/Kg |   |          | 11/22/23 06:33 | 1       |

Client Sample ID: PH 04

Lab Sample ID: 890-5654-2

Date Collected: 11/16/23 13:25

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 2'

## 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 |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:18 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 18:18 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04

Lab Sample ID: 890-5654-2

Date Collected: 11/16/23 13:25

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 2'

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 113       |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 18:18 | 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 |   |          | 11/27/23 18:18 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 | mg/Kg |   |          | 11/28/23 14:10 | 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 | <50.1     | U         | 50.1     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 14:10 | 1       |
| o-Terphenyl                          | 73        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 14:10 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <4.96  | U         | 4.96 | mg/Kg |   |          | 11/22/23 06:38 | 1       |

Client Sample ID: PH 04

Lab Sample ID: 890-5654-3

Date Collected: 11/16/23 13:30

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 3'

## 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 |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:38 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 18:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 11/22/23 17:00 | 11/27/23 18:38 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 11/27/23 18:38 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 | mg/Kg |   |          | 11/28/23 14:33 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04

Lab Sample ID: 890-5654-3

Date Collected: 11/16/23 13:30

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 3'

## 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 | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.4     | U         | 50.4     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 14:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 14:33 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 14:33 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.02  | U         | 5.02 | mg/Kg |   |          | 11/22/23 06:55 | 1       |

Client Sample ID: PH 04

Lab Sample ID: 890-5654-4

Date Collected: 11/16/23 13:35

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 4'

## 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 |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |       |   | 11/22/23 17:00 | 11/27/23 18:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |       |   | 11/22/23 17:00 | 11/27/23 18:59 | 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 |   |          | 11/27/23 18:59 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 | mg/Kg |   |          | 11/28/23 15:20 | 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 | <50.5     | U         | 50.5     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 15:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5     | U         | 50.5     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 15:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 15:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 81        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 15:20 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 15:20 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04

Lab Sample ID: 890-5654-4

Date Collected: 11/16/23 13:35

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 4'

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.01  | U         | 5.01 | mg/Kg |   |          | 11/22/23 07:01 | 1       |

Client Sample ID: PH 04

Lab Sample ID: 890-5654-5

Date Collected: 11/16/23 13:40

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 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 |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |       |   | 11/22/23 17:00 | 11/27/23 19:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 |       |   | 11/22/23 17:00 | 11/27/23 19:19 | 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 |   |          | 11/27/23 19:19 | 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 |   |          | 11/28/23 15:58 | 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 |   | 11/22/23 15:02 | 11/28/23 15:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 15:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 15:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 81        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 15:58 | 1       |
| o-Terphenyl                          | 78        |           | 70 - 130 |       |   | 11/22/23 15:02 | 11/28/23 15:58 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 5.06   |           | 4.99 | mg/Kg |   |          | 11/22/23 07:18 | 1       |

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## Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 890-5649-A-1-B MS  | Matrix Spike           | 106              | 85                |
| 890-5649-A-1-C MSD | Matrix Spike Duplicate | 90               | 99                |
| 890-5654-1         | PH 04                  | 92               | 107               |
| 890-5654-2         | PH 04                  | 97               | 113               |
| 890-5654-3         | PH 04                  | 97               | 113               |
| 890-5654-4         | PH 04                  | 103              | 109               |
| 890-5654-5         | PH 04                  | 94               | 114               |
| LCS 880-67586/1-A  | Lab Control Sample     | 99               | 96                |
| LCSD 880-67586/2-A | Lab Control Sample Dup | 94               | 107               |
| MB 880-67586/5-A   | Method Blank           | 98               | 144 S1+           |

## 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<br>(70-130) | OTPH1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 890-5649-A-1-F MS  | Matrix Spike           | 93               | 72                |
| 890-5649-A-1-G MSD | Matrix Spike Duplicate | 105              | 79                |
| 890-5654-1         | PH 04                  | 80               | 74                |
| 890-5654-2         | PH 04                  | 80               | 73                |
| 890-5654-3         | PH 04                  | 79               | 74                |
| 890-5654-4         | PH 04                  | 81               | 77                |
| 890-5654-5         | PH 04                  | 81               | 78                |
| LCS 880-67650/2-A  | Lab Control Sample     | 121              | 125               |
| LCSD 880-67650/3-A | Lab Control Sample Dup | 97               | 99                |
| MB 880-67650/1-A   | Method Blank           | 104              | 106               |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67586/5-A

Matrix: Solid

Analysis Batch: 67691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67586

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 11/22/23 17:00 | 11/27/23 11:54 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98              |                 | 70 - 130 | 11/22/23 17:00 | 11/27/23 11:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 144             | S1+             | 70 - 130 | 11/22/23 17:00 | 11/27/23 11:54 | 1       |

Lab Sample ID: LCS 880-67586/1-A

Matrix: Solid

Analysis Batch: 67691

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67586

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08717       |                  | mg/Kg |   | 87   | 70 - 130       |
| Toluene             | 0.100          | 0.09063       |                  | mg/Kg |   | 91   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08672       |                  | mg/Kg |   | 87   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2109        |                  | mg/Kg |   | 105  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1033        |                  | mg/Kg |   | 103  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-67586/2-A

Matrix: Solid

Analysis Batch: 67691

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67586

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09477        |                   | mg/Kg |   | 95   | 70 - 130       | 8   | 35           |
| Toluene             | 0.100          | 0.08743        |                   | mg/Kg |   | 87   | 70 - 130       | 4   | 35           |
| Ethylbenzene        | 0.100          | 0.08464        |                   | mg/Kg |   | 85   | 70 - 130       | 2   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1930         |                   | mg/Kg |   | 96   | 70 - 130       | 9   | 35           |
| o-Xylene            | 0.100          | 0.09338        |                   | mg/Kg |   | 93   | 70 - 130       | 10  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 94                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107               |                   | 70 - 130 |

Lab Sample ID: 890-5649-A-1-B MS

Matrix: Solid

Analysis Batch: 67691

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67586

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.0998         | 0.07451      |                 | mg/Kg |   | 75   | 70 - 130       |
| Toluene | 0.00652          | F1                  | 0.0998         | 0.07145      | F1              | mg/Kg |   | 65   | 70 - 130       |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5649-A-1-B MS  
Matrix: Solid  
Analysis Batch: 67691

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 67586

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | 0.0150        | F1               | 0.0998      | 0.09961   |              | mg/Kg |   | 85   | 70 - 130    |
| m-Xylene & p-Xylene         | 0.276         | F1               | 0.200       | 0.3536    | F1           | mg/Kg |   | 39   | 70 - 130    |
| o-Xylene                    | 0.111         | F1               | 0.0998      | 0.1338    | F1           | mg/Kg |   | 23   | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 106           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 85            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-5649-A-1-C MSD  
Matrix: Solid  
Analysis Batch: 67691

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 67586

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00200      | U                | 0.0990      | 0.08737    |               | mg/Kg |   | 88   | 70 - 130    | 16  | 35        |
| Toluene                     | 0.00652       | F1               | 0.0990      | 0.06412    | F1            | mg/Kg |   | 58   | 70 - 130    | 11  | 35        |
| Ethylbenzene                | 0.0150        | F1               | 0.0990      | 0.07849    | F1            | mg/Kg |   | 64   | 70 - 130    | 24  | 35        |
| m-Xylene & p-Xylene         | 0.276         | F1               | 0.198       | 0.2876     | F1            | mg/Kg |   | 6    | 70 - 130    | 21  | 35        |
| o-Xylene                    | 0.111         | F1               | 0.0990      | 0.1040     | F1            | mg/Kg |   | -7   | 70 - 130    | 25  | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 90            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 99            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-67650/1-A  
Matrix: Solid  
Analysis Batch: 67805

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 67650

| 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 |   | 11/22/23 15:02 | 11/28/23 07:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 07:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 11/22/23 15:02 | 11/28/23 07:40 | 1       |
|                                      |              |              |          |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   |                |                |         |
| 1-Chlorooctane                       | 104          |              | 70 - 130 |       |   |                |                |         |
| o-Terphenyl                          | 106          |              | 70 - 130 |       |   |                |                |         |

Lab Sample ID: LCS 880-67650/2-A  
Matrix: Solid  
Analysis Batch: 67805

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 67650

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1019       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1056       |               | mg/Kg |   | 106  | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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

Lab Sample ID: LCS 880-67650/2-A

Matrix: Solid

Analysis Batch: 67805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67650

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 121       |           | 70 - 130 |
| o-Terphenyl    | 125       |           | 70 - 130 |

Lab Sample ID: LCSD 880-67650/3-A

Matrix: Solid

Analysis Batch: 67805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67650

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 951.5       |                | mg/Kg |   | 95   | 70 - 130    | 7   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 985.1       |                | mg/Kg |   | 99   | 70 - 130    | 7   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 97        |           | 70 - 130 |
| o-Terphenyl    | 99        |           | 70 - 130 |

Lab Sample ID: 890-5649-A-1-F MS

Matrix: Solid

Analysis Batch: 67805

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67650

| 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 | 263           | F2               | 991         | 1022      |              | mg/Kg |   | 77   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | 2120          | F1               | 991         | 2513      | F1           | mg/Kg |   | 40   | 70 - 130    |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 93        |           | 70 - 130 |
| o-Terphenyl    | 72        |           | 70 - 130 |

Lab Sample ID: 890-5649-A-1-G MSD

Matrix: Solid

Analysis Batch: 67805

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67650

| 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 | 263           | F2               | 991         | 1537       | F2            | mg/Kg |   | 128  | 70 - 130    | 40  | 20        |
| Diesel Range Organics (Over C10-C28) | 2120          | F1               | 991         | 2788       | F1            | mg/Kg |   | 68   | 70 - 130    | 10  | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 105       |           | 70 - 130 |
| o-Terphenyl    | 79        |           | 70 - 130 |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67439/1-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 11/22/23 05:03 | 1       |

Lab Sample ID: LCS 880-67439/2-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.4         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-67439/3-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 245.2          |                   | mg/Kg |   | 98   | 90 - 110       | 1   | 20           |

Lab Sample ID: 890-5654-2 MS

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: PH 04

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | <4.96            | U                   | 248            | 251.4        |                 | mg/Kg |   | 100  | 90 - 110       |

Lab Sample ID: 890-5654-2 MSD

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: PH 04

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | <4.96            | U                   | 248            | 251.2         |                  | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

## GC VOA

## Prep Batch: 67586

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5654-1         | PH 04                  | Total/NA  | Solid  | 5035   |            |
| 890-5654-2         | PH 04                  | Total/NA  | Solid  | 5035   |            |
| 890-5654-3         | PH 04                  | Total/NA  | Solid  | 5035   |            |
| 890-5654-4         | PH 04                  | Total/NA  | Solid  | 5035   |            |
| 890-5654-5         | PH 04                  | Total/NA  | Solid  | 5035   |            |
| MB 880-67586/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67586/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67586/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5649-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-5649-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67691

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5654-1         | PH 04                  | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5654-2         | PH 04                  | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5654-3         | PH 04                  | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5654-4         | PH 04                  | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5654-5         | PH 04                  | Total/NA  | Solid  | 8021B  | 67586      |
| MB 880-67586/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 67586      |
| LCS 880-67586/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67586      |
| LCSD 880-67586/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5649-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67586      |
| 890-5649-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67586      |

## Analysis Batch: 67851

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5654-1    | PH 04            | Total/NA  | Solid  | Total BTEX |            |
| 890-5654-2    | PH 04            | Total/NA  | Solid  | Total BTEX |            |
| 890-5654-3    | PH 04            | Total/NA  | Solid  | Total BTEX |            |
| 890-5654-4    | PH 04            | Total/NA  | Solid  | Total BTEX |            |
| 890-5654-5    | PH 04            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 67650

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-5654-1         | PH 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5654-2         | PH 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5654-3         | PH 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5654-4         | PH 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5654-5         | PH 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67650/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67650/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67650/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5649-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5649-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67805

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-5654-1    | PH 04            | Total/NA  | Solid  | 8015B NM | 67650      |
| 890-5654-2    | PH 04            | Total/NA  | Solid  | 8015B NM | 67650      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

## GC Semi VOA (Continued)

## Analysis Batch: 67805 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5654-3         | PH 04                  | Total/NA  | Solid  | 8015B NM | 67650      |
| 890-5654-4         | PH 04                  | Total/NA  | Solid  | 8015B NM | 67650      |
| 890-5654-5         | PH 04                  | Total/NA  | Solid  | 8015B NM | 67650      |
| MB 880-67650/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 67650      |
| LCS 880-67650/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67650      |
| LCSD 880-67650/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67650      |
| 890-5649-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 67650      |
| 890-5649-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 67650      |

## Analysis Batch: 67905

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5654-1    | PH 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-5654-2    | PH 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-5654-3    | PH 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-5654-4    | PH 04            | Total/NA  | Solid  | 8015 NM |            |
| 890-5654-5    | PH 04            | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 67439

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5654-1         | PH 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5654-2         | PH 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5654-3         | PH 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5654-4         | PH 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5654-5         | PH 04                  | Soluble   | Solid  | DI Leach |            |
| MB 880-67439/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-67439/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-67439/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5654-2 MS      | PH 04                  | Soluble   | Solid  | DI Leach |            |
| 890-5654-2 MSD     | PH 04                  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 67621

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5654-1         | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-2         | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-3         | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-4         | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-5         | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| MB 880-67439/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 67439      |
| LCS 880-67439/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 67439      |
| LCSD 880-67439/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-2 MS      | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-2 MSD     | PH 04                  | Soluble   | Solid  | 300.0  | 67439      |

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Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04

Date Collected: 11/16/23 13:20

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-1

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         |     |            | 4.99 g         | 5 mL         | 67586        | 11/22/23 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67691        | 11/27/23 17:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67851        | 11/27/23 17:57       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67905        | 11/28/23 13:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.94 g         | 10 mL        | 67650        | 11/22/23 15:02       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67805        | 11/28/23 13:48       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 06:33       | SMC     | EET MID |

Client Sample ID: PH 04

Date Collected: 11/16/23 13:25

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 67586        | 11/22/23 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67691        | 11/27/23 18:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67851        | 11/27/23 18:18       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67905        | 11/28/23 14:10       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 67650        | 11/22/23 15:02       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67805        | 11/28/23 14:10       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 06:38       | SMC     | EET MID |

Client Sample ID: PH 04

Date Collected: 11/16/23 13:30

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 67586        | 11/22/23 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67691        | 11/27/23 18:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67851        | 11/27/23 18:38       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67905        | 11/28/23 14:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 67650        | 11/22/23 15:02       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67805        | 11/28/23 14:33       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 06:55       | SMC     | EET MID |

Client Sample ID: PH 04

Date Collected: 11/16/23 13:35

Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 67586        | 11/22/23 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67691        | 11/27/23 18:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67851        | 11/27/23 18:59       | SM      | EET MID |

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Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

Client Sample ID: PH 04  
Date Collected: 11/16/23 13:35  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67905        | 11/28/23 15:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 67650        | 11/22/23 15:02       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67805        | 11/28/23 15:20       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:01       | SMC     | EET MID |

Client Sample ID: PH 04  
Date Collected: 11/16/23 13:40  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5654-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 67586        | 11/22/23 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67691        | 11/27/23 19:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67851        | 11/27/23 19:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67905        | 11/28/23 15:58       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 67650        | 11/22/23 15:02       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67805        | 11/28/23 15:58       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:18       | SMC     | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5654-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5654-1    | PH 04            | Solid  | 11/16/23 13:20 | 11/17/23 09:31 | 1'    |
| 890-5654-2    | PH 04            | Solid  | 11/16/23 13:25 | 11/17/23 09:31 | 2'    |
| 890-5654-3    | PH 04            | Solid  | 11/16/23 13:30 | 11/17/23 09:31 | 3'    |
| 890-5654-4    | PH 04            | Solid  | 11/16/23 13:35 | 11/17/23 09:31 | 4'    |
| 890-5654-5    | PH 04            | Solid  | 11/16/23 13:40 | 11/17/23 09:31 | 5'    |

- 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) 988-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page \_\_\_\_\_ of \_\_\_\_\_

### Work Order Comments

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

|                  |                         |                         |                     |
|------------------|-------------------------|-------------------------|---------------------|
| Project Manager: | Ben Bell                | Bill to: (if different) | Garret Green        |
| Company Name:    | Ensoium LLC             | Company Name:           | XTO Energy          |
| Address:         | 3122 National Parks Hwy | Address:                | 3104 E Greene St    |
| City, State ZIP: | Carlsbad, NM, 88220     | City, State ZIP:        | Carlsbad, NM, 88220 |
| Phone:           | 989-854-0852            | Email:                  | BBell@ensoium.com   |

|                          |  |   |              |   |       |           |           |   |   |   |  |  |  |                    |  |   |                 |                 |  |
|--------------------------|--|---|--------------|---|-------|-----------|-----------|---|---|---|--|--|--|--------------------|--|---|-----------------|-----------------|--|
| Project Name:            |  | Turn Around   |              | ANALYSIS REQUEST  |       |           |           |   |   |   |  |  |  | Preservative Codes |  |   |                 |                 |  |
| Project Number:          |  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush       |              | Pres. Code  |       |           |           |   |   |   |  |  |  |                    |  | None: NO DI Water: H <sub>2</sub> O                               |                 |                 |  |
| Project Location:        |  | Due Date:   |              |   |       |           |           |   |   |   |  |  |  |                    |  | Cool: Cool MeOH: Me   |                 |                 |  |
| Sampler's Name:          |  | TAT starts the day received by the lab, if received by 4:30pm                   |              |   |       |           |           |   |   |   |  |  |  |                    |  | HCL: HC HNO <sub>3</sub> : HN                                     |                 |                 |  |
| PO #:                    |  |   |              |   |       |           |           |   |   |   |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |                 |                 |  |
| SAMPLE RECEIPT           |  | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |              | Wet Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No |       |           |           |   |   |   |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                 |                 |  |
| Samples Received Intact: |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No             |              | Thermometer ID:   |       |           |           |   |   |   |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS  |                 |                 |  |
| Cooler Custody Seals:    |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No             |              | Correction Factor:  |       |           |           |   |   |   |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                 |                 |  |
| Sample Custody Seals:    |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No             |              | Temperature Reading:  |       |           |           |   |   |   |  |  |  |                    |  | Zn Acetate+NaOH: Zn   |                 |                 |  |
| Total Containers:        |  |   |              | Corrected Temperature:  |       |           |           |   |   |   |  |  |  |                    |  | NaOH+Ascorbic Acid: SAPC  |                 |                 |  |
| Sample Identification    |  | Matrix  | Date Sampled | Time Sampled  | Depth | Grab/Comp | # of Cont |   |   |   |  |  |  |                    |  |   |                 | Sample Comments |  |
| PHOY                     |  | S   | 11/16/23     | 13:20   | 1     | G         | 1         | X | X | X |  |  |  |                    |  |   | Cost Center     |                 |  |
| PHOY                     |  |   |              | 13:25   | 2     |           |           |   |   |   |  |  |  |                    |  |   | 105615100       |                 |  |
| PHOY                     |  |   |              | 13:30   | 3     |           |           |   |   |   |  |  |  |                    |  |   | Incident #      |                 |  |
| PHOY                     |  |   |              | 13:35   | 4     |           |           |   |   |   |  |  |  |                    |  |   | NAPP 2330651127 |                 |  |
| PHOY                     |  |   |              | 13:40   | 5     |           |           |   |   |   |  |  |  |                    |  |   |                 |                 |  |

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<sub>2</sub> 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                            | 2                        | 11-17     | 3                            |                          |           |
| 3                            | 4                        |           | 5                            |                          |           |
| 5                            | 6                        |           |                              |                          |           |

Revised Date: 08/25/2020 Rev: 2020.2

Ver: 06/08/2021

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5654-1

SDG Number: 03C1558289

Login Number: 5654

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5654-1

SDG Number: 03C1558289

Login Number: 5654

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 11/20/23 10:41 AM

| 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.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| 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: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 11/28/2023 12:48:27 PM

## JOB DESCRIPTION

Outrider CVB

03C1558289

## JOB NUMBER

890-5655-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
11/28/2023 12:48:27 PM

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

Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5655-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| 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: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

**Job ID: 890-5655-1**

**Laboratory: Eurofins Carlsbad**

**Narrative****Job Narrative  
890-5655-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 11/17/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: PH03 (890-5655-1), PH03 (890-5655-2), PH03 (890-5655-3), PH03 (890-5655-4) and PH03 (890-5655-5).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-67587/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH03 (890-5655-1), PH03 (890-5655-3), (CCV 880-67689/33) and (LCSD 880-67587/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-67694/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67587 and analytical batch 880-67689 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-67700 and analytical batch 880-67682 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: PH03 (890-5655-1), PH03 (890-5655-3), PH03 (890-5655-4), PH03 (890-5655-5), (890-5655-A-1-D MS) and (890-5655-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67700 and analytical batch 880-67682 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Case Narrative

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Job ID: 890-5655-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

HPLC/IC

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: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Client Sample ID: PH03

Lab Sample ID: 890-5655-1

Date Collected: 11/16/23 13:50

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 1'

## 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 |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:08 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 134       | S1+       | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:08 | 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 |   |          | 11/28/23 04:08 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 11/27/23 10:51 | 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 | <49.6  | U         | 49.6 | mg/Kg |   | 11/27/23 09:32 | 11/27/23 10:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6  | U F1      | 49.6 | mg/Kg |   | 11/27/23 09:32 | 11/27/23 10:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6  | U         | 49.6 | mg/Kg |   | 11/27/23 09:32 | 11/27/23 10:51 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 188       | S1+       | 70 - 130 | 11/27/23 09:32 | 11/27/23 10:51 | 1       |
| o-Terphenyl    | 164       | S1+       | 70 - 130 | 11/27/23 09:32 | 11/27/23 10:51 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 8.84   |           | 5.04 | mg/Kg |   |          | 11/22/23 07:23 | 1       |

Client Sample ID: PH03

Lab Sample ID: 890-5655-2

Date Collected: 11/16/23 13:55

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 2'

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |
| m-Xylene & p-Xylene | <0.00397 | U         | 0.00397 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |
| Xylenes, Total      | <0.00397 | U         | 0.00397 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:34 | 1       |

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Client Sample ID: PH03

Lab Sample ID: 890-5655-2

Date Collected: 11/16/23 13:55

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 2'

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 87        |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:34 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 | mg/Kg |   |          | 11/28/23 04:34 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 | mg/Kg |   |          | 11/27/23 11:56 | 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 | <50.5     | U         | 50.5     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 11:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5     | U         | 50.5     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 11:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 11:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 128       |           | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 11:56 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 11:56 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <4.95  | U         | 4.95 | mg/Kg |   |          | 11/22/23 07:29 | 1       |

Client Sample ID: PH03

Lab Sample ID: 890-5655-3

Date Collected: 11/16/23 14:00

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 3'

## 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 |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 11/21/23 16:50 | 11/28/23 04:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 141       | S1+       | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 11/21/23 16:50 | 11/28/23 04:59 | 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 |   |          | 11/28/23 04:59 | 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 |   |          | 11/27/23 12:18 | 1       |

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Client Sample ID: PH03

Lab Sample ID: 890-5655-3

Date Collected: 11/16/23 14:00

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 3'

## 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 |   | 11/27/23 09:32 | 11/27/23 12:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 12:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 12:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 158       | S1+       | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 12:18 | 1       |
| o-Terphenyl                          | 137       | S1+       | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 12:18 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.02  | U         | 5.02 | mg/Kg |   |          | 11/22/23 07:35 | 1       |

Client Sample ID: PH03

Lab Sample ID: 890-5655-4

Date Collected: 11/16/23 14:05

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 4'

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U         | 0.00396  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 05:25 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 11/28/23 05:25 | 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 |   |          | 11/27/23 12:40 | 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 |   | 11/27/23 09:32 | 11/27/23 12:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 12:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 12:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 131       | S1+       | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 12:40 | 1       |
| o-Terphenyl                          | 111       |           | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 12:40 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Client Sample ID: PH03

Lab Sample ID: 890-5655-4

Date Collected: 11/16/23 14:05

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 4'

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 13.0   |           | 4.95 | mg/Kg |   |          | 11/22/23 07:40 | 1       |  |

Client Sample ID: PH03

Lab Sample ID: 890-5655-5

Date Collected: 11/16/23 14:10

Matrix: Solid

Date Received: 11/17/23 09:31

Sample Depth: 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 |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| Toluene   | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| Ethylbenzene  | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| o-Xylene  | <0.00202  | U         | 0.00202  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| Xylenes, Total  | <0.00403  | U         | 0.00403  | mg/Kg |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 101       |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 05:50 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 101       |           | 70 - 130 |       |   | 11/21/23 16:50 | 11/28/23 05:50 | 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 |   |          | 11/28/23 05:50 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH  | <49.6  | U         | 49.6 | mg/Kg |   |          | 11/27/23 13:02 | 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                      | <49.6     | U         | 49.6     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 13:02 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.6     | U         | 49.6     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 13:02 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.6     | U         | 49.6     | mg/Kg |   | 11/27/23 09:32 | 11/27/23 13:02 | 1       |  |
| Surrogate   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane  | 141       | S1+       | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 13:02 | 1       |  |
| o-Terphenyl   | 121       |           | 70 - 130 |       |   | 11/27/23 09:32 | 11/27/23 13:02 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 6.06   |           | 5.02 | mg/Kg |   |          | 11/22/23 07:46 | 1       |  |

## Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-5652-A-1-C MS                 | Matrix Spike           | 116  | 89                |
| 890-5652-A-1-D MSD                | Matrix Spike Duplicate | 114  | 98                |
| 890-5655-1                        | PH03                   | 117  | 134 S1+           |
| 890-5655-2                        | PH03                   | 119  | 87                |
| 890-5655-3                        | PH03                   | 141 S1+  | 115               |
| 890-5655-4                        | PH03                   | 92   | 92                |
| 890-5655-5                        | PH03                   | 101  | 101               |
| LCS 880-67587/1-A                 | Lab Control Sample     | 116  | 124               |
| LCSD 880-67587/2-A                | Lab Control Sample Dup | 130  | 136 S1+           |
| MB 880-67587/5-A                  | Method Blank           | 55 S1-   | 91                |
| MB 880-67694/5-A                  | Method Blank           | 54 S1-   | 82                |
| <b>Surrogate Legend</b>           |                        |  |                   |
| 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<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-5655-1              | PH03                   | 188 S1+  | 164 S1+           |
| 890-5655-1 MS           | PH03                   | 153 S1+  | 111               |
| 890-5655-1 MSD          | PH03                   | 145 S1+  | 109               |
| 890-5655-2              | PH03                   | 128  | 108               |
| 890-5655-3              | PH03                   | 158 S1+  | 137 S1+           |
| 890-5655-4              | PH03                   | 131 S1+  | 111               |
| 890-5655-5              | PH03                   | 141 S1+  | 121               |
| LCS 880-67700/2-A       | Lab Control Sample     | 111  | 104               |
| LCSD 880-67700/3-A      | Lab Control Sample Dup | 116  | 116               |
| MB 880-67700/1-A        | Method Blank           | 151 S1+  | 140 S1+           |
| <b>Surrogate Legend</b> |                        |  |                   |
| 1CO = 1-Chlorooctane    |                        |  |                   |
| OTPH = o-Terphenyl      |                        |  |                   |

QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Method: 8021B - Volatile Organic Compounds (GC)

|                                 |              |              |          |                                |   |                |                |         |
|---------------------------------|--------------|--------------|----------|--------------------------------|---|----------------|----------------|---------|
| Lab Sample ID: MB 880-67587/5-A |              |              |          | Client Sample ID: Method Blank |   |                |                |         |
| Matrix: Solid                   |              |              |          | Prep Type: Total/NA            |   |                |                |         |
| Analysis Batch: 67689           |              |              |          | Prep Batch: 67587              |   |                |                |         |
| Analyte                         | MB Result    | MB Qualifier | RL       | Unit                           | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                         | <0.00200     | U            | 0.00200  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Toluene                         | <0.00200     | U            | 0.00200  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Ethylbenzene                    | <0.00200     | U            | 0.00200  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| m-Xylene & p-Xylene             | <0.00400     | U            | 0.00400  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| o-Xylene                        | <0.00200     | U            | 0.00200  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| Xylenes, Total                  | <0.00400     | U            | 0.00400  | mg/Kg                          |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
|                                 |              |              |          |                                |   |                |                |         |
| Surrogate                       | MB %Recovery | MB Qualifier | Limits   |                                |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)     | 55           | S1-          | 70 - 130 |                                |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |
| 1,4-Difluorobenzene (Surr)      | 91           |              | 70 - 130 |                                |   | 11/21/23 16:50 | 11/28/23 02:00 | 1       |

|                                  |               |               |            |                                      |       |   |      |             |
|----------------------------------|---------------|---------------|------------|--------------------------------------|-------|---|------|-------------|
| Lab Sample ID: LCS 880-67587/1-A |               |               |            | Client Sample ID: Lab Control Sample |       |   |      |             |
| Matrix: Solid                    |               |               |            | Prep Type: Total/NA                  |       |   |      |             |
| Analysis Batch: 67689            |               |               |            | Prep Batch: 67587                    |       |   |      |             |
| Analyte                          |               | Spike Added   | LCS Result | LCS Qualifier                        | Unit  | D | %Rec | %Rec Limits |
| Benzene                          |               | 0.100         | 0.08664    |                                      | mg/Kg |   | 87   | 70 - 130    |
| Toluene                          |               | 0.100         | 0.09013    |                                      | mg/Kg |   | 90   | 70 - 130    |
| Ethylbenzene                     |               | 0.100         | 0.08909    |                                      | mg/Kg |   | 89   | 70 - 130    |
| m-Xylene & p-Xylene              |               | 0.200         | 0.1706     |                                      | mg/Kg |   | 85   | 70 - 130    |
| o-Xylene                         |               | 0.100         | 0.08496    |                                      | mg/Kg |   | 85   | 70 - 130    |
|                                  |               |               |            |                                      |       |   |      |             |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits     |                                      |       |   |      |             |
| 4-Bromofluorobenzene (Surr)      | 116           |               | 70 - 130   |                                      |       |   |      |             |
| 1,4-Difluorobenzene (Surr)       | 124           |               | 70 - 130   |                                      |       |   |      |             |

|                                   |                     |           |          |       |  |           |      |   |      |      |     |     |        |       |          |    |    |
|-----------------------------------|---------------------|-----------|----------|-------|--|-----------|------|---|------|------|-----|-----|--------|-------|----------|----|----|
| Lab Sample ID: LCSD 880-67587/2-A |                     |           |          |       | Client Sample ID: Lab Control Sample Dup |           |      |   |      |      |     |     |        |       |          |    |    |
| Matrix: Solid                     |                     |           |          |       | Prep Type: Total/NA                      |           |      |   |      |      |     |     |        |       |          |    |    |
| Analysis Batch: 67689             |                     |           |          |       | Prep Batch: 67587                        |           |      |   |      |      |     |     |        |       |          |    |    |
| Analyte                           |                     |           |          | Spike | LCSD                                     | LCSD      | Unit | D | %Rec | %Rec | RPD | RPD |        |       |          |    |    |
|                                   |                     |           |          | Added | Result                                   | Qualifier |      |   |      |      |     |     | Limits | Limit |          |    |    |
|                                   | Benzene             |           |          | 0.100 | 0.09164                                  |           |      |   |      |      |     |     | mg/Kg  | 92    | 70 - 130 | 6  | 35 |
|                                   | Toluene             |           |          | 0.100 | 0.09886                                  |           |      |   |      |      |     |     | mg/Kg  | 99    | 70 - 130 | 9  | 35 |
|                                   | Ethylbenzene        |           |          | 0.100 | 0.1003                                   |           |      |   |      |      |     |     | mg/Kg  | 100   | 70 - 130 | 12 | 35 |
|                                   | m-Xylene & p-Xylene |           |          | 0.200 | 0.1950                                   |           |      |   |      |      |     |     | mg/Kg  | 97    | 70 - 130 | 13 | 35 |
|                                   | o-Xylene            |           |          | 0.100 | 0.09616                                  |           |      |   |      |      |     |     | mg/Kg  | 96    | 70 - 130 | 12 | 35 |
|                                   |                     |           |          |       |  |           |      |   |      |      |     |     |        |       |          |    |    |
|                                   |                     |           | LCSD     | LCSD  |  |           |      |   |      |      |     |     |        |       |          |    |    |
| Surrogate                         | %Recovery           | Qualifier | Limits   |       |  |           |      |   |      |      |     |     |        |       |          |    |    |
| 4-Bromofluorobenzene (Surr)       | 130                 |           | 70 - 130 |       |  |           |      |   |      |      |     |     |        |       |          |    |    |
| 1,4-Difluorobenzene (Surr)        | 136                 | S1+       | 70 - 130 |       |  |           |      |   |      |      |     |     |        |       |          |    |    |

|                                  |          |           |        |         |           |       |                                |      |          |  |  |
|----------------------------------|----------|-----------|--------|---------|-----------|-------|--------------------------------|------|----------|--|--|
| Lab Sample ID: 890-5652-A-1-C MS |          |           |        |         |           |       | Client Sample ID: Matrix Spike |      |          |  |  |
| Matrix: Solid                    |          |           |        |         |           |       | Prep Type: Total/NA            |      |          |  |  |
| Analysis Batch: 67689            |          |           |        |         |           |       | Prep Batch: 67587              |      |          |  |  |
|                                  | Sample   | Sample    | Spike  | MS      | MS        |       |                                |      | %Rec     |  |  |
| Analyte                          | Result   | Qualifier | Added  | Result  | Qualifier | Unit  | D                              | %Rec | Limits   |  |  |
| Benzene                          | <0.00199 | U F1      | 0.0996 | 0.07634 |           | mg/Kg |                                | 76   | 70 - 130 |  |  |
| Toluene                          | <0.00199 | U F1      | 0.0996 | 0.07498 |           | mg/Kg |                                | 75   | 70 - 130 |  |  |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5652-A-1-C MS

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67587

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00199      | U F1             | 0.0996      | 0.06207   | F1           | mg/Kg |   | 62   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.199       | 0.1307    | F1           | mg/Kg |   | 66   | 70 - 130    |
| o-Xylene            | <0.00199      | U F1             | 0.0996      | 0.07267   |              | mg/Kg |   | 73   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 116          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 89           |              | 70 - 130 |

Lab Sample ID: 890-5652-A-1-D MSD

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67587

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00199      | U F1             | 0.100       | 0.06395    | F1            | mg/Kg |   | 63   | 70 - 130    | 18  | 35        |
| Toluene             | <0.00199      | U F1             | 0.100       | 0.06776    | F1            | mg/Kg |   | 68   | 70 - 130    | 10  | 35        |
| Ethylbenzene        | <0.00199      | U F1             | 0.100       | 0.05547    | F1            | mg/Kg |   | 55   | 70 - 130    | 11  | 35        |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.200       | 0.1169     | F1            | mg/Kg |   | 58   | 70 - 130    | 11  | 35        |
| o-Xylene            | <0.00199      | U F1             | 0.100       | 0.06470    | F1            | mg/Kg |   | 65   | 70 - 130    | 12  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 114           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98            |               | 70 - 130 |

Lab Sample ID: MB 880-67694/5-A

Matrix: Solid

Analysis Batch: 67689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67694

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 11/27/23 09:14 | 11/27/23 12:32 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 54           | S1-          | 70 - 130 | 11/27/23 09:14 | 11/27/23 12:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82           |              | 70 - 130 | 11/27/23 09:14 | 11/27/23 12:32 | 1       |

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

Lab Sample ID: MB 880-67700/1-A

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67700

| 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 |   | 11/27/23 08:00 | 11/27/23 08:18 | 1       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-67700/1-A

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67700

| Analyte                              | MB        | MB        | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |       |   |                |                |         |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 11/27/23 08:00 | 11/27/23 08:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 11/27/23 08:00 | 11/27/23 08:18 | 1       |
| Surrogate                            | MB        | MB        | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |       |   |                |                |         |
| 1-Chlorooctane                       | 151       | S1+       | 70 - 130 |       |   | 11/27/23 08:00 | 11/27/23 08:18 | 1       |
| o-Terphenyl                          | 140       | S1+       | 70 - 130 |       |   | 11/27/23 08:00 | 11/27/23 08:18 | 1       |

Lab Sample ID: LCS 880-67700/2-A

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67700

| Analyte                              | Spike Added | LCS       | LCS       | Unit  | D | %Rec | %Rec     |  |
|--------------------------------------|-------------|-----------|-----------|-------|---|------|----------|--|
|                                      |             | Result    | Qualifier |       |   |      | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1104      |           | mg/Kg |   | 110  | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | 1000        | 1250      |           | mg/Kg |   | 125  | 70 - 130 |  |
| Surrogate                            |             | LCS       | LCS       |       |   |      | Limits   |  |
|                                      |             | %Recovery | Qualifier |       |   |      |          |  |
| 1-Chlorooctane                       |             | 111       |           |       |   |      | 70 - 130 |  |
| o-Terphenyl                          |             | 104       |           |       |   |      | 70 - 130 |  |

Lab Sample ID: LCSD 880-67700/3-A

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67700

| Analyte                              | Spike Added | LCSD      | LCSD      | Unit  | D | %Rec | %Rec     | RPD | Limit |
|--------------------------------------|-------------|-----------|-----------|-------|---|------|----------|-----|-------|
|                                      |             | Result    | Qualifier |       |   |      | Limits   |     |       |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1077      |           | mg/Kg |   | 108  | 70 - 130 | 2   | 20    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1120      |           | mg/Kg |   | 112  | 70 - 130 | 11  | 20    |
| Surrogate                            |             | LCSD      | LCSD      |       |   |      | Limits   |     |       |
|                                      |             | %Recovery | Qualifier |       |   |      |          |     |       |
| 1-Chlorooctane                       |             | 116       |           |       |   |      | 70 - 130 |     |       |
| o-Terphenyl                          |             | 116       |           |       |   |      | 70 - 130 |     |       |

Lab Sample ID: 890-5655-1 MS

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: PH03

Prep Type: Total/NA

Prep Batch: 67700

| Analyte                              | Sample | Sample    | Spike Added | MS     | MS        | Unit  | D | %Rec | %Rec     |  |
|--------------------------------------|--------|-----------|-------------|--------|-----------|-------|---|------|----------|--|
|                                      | Result | Qualifier |             | Result | Qualifier |       |   |      | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.6  | U         | 1000        | 1105   |           | mg/Kg |   | 109  | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <49.6  | U F1      | 1000        | 1537   | F1        | mg/Kg |   | 152  | 70 - 130 |  |
| Surrogate                            |        | MS        | MS          |        |           |       |   |      | Limits   |  |
|                                      |        | %Recovery | Qualifier   |        |           |       |   |      |          |  |
| 1-Chlorooctane                       |        | 153       | S1+         |        |           |       |   |      | 70 - 130 |  |
| o-Terphenyl                          |        | 111       |             |        |           |       |   |      | 70 - 130 |  |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5655-1 MSD

Matrix: Solid

Analysis Batch: 67682

Client Sample ID: PH03

Prep Type: Total/NA

Prep Batch: 67700

| 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 | <49.6         | U                | 1000        | 1087       |               | mg/Kg |   | 107  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.6         | U F1             | 1000        | 1488       | F1            | mg/Kg |   | 147  | 70 - 130    | 3   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 145           | S1+              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 109           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67439/1-A

Matrix: Solid

Analysis Batch: 67621

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 |   |          | 11/22/23 05:03 | 1       |

Lab Sample ID: LCS 880-67439/2-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 242.4      |               | mg/Kg |   | 97   | 90 - 110    |

Lab Sample ID: LCSD 880-67439/3-A

Matrix: Solid

Analysis Batch: 67621

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         | 245.2       |                | mg/Kg |   | 98   | 90 - 110    | 1   | 20        |

Lab Sample ID: 890-5654-A-2-B MS

Matrix: Solid

Analysis Batch: 67621

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 | <4.96         | U                | 248         | 251.4     |              | mg/Kg |   | 100  | 90 - 110    |

Lab Sample ID: 890-5654-A-2-C MSD

Matrix: Solid

Analysis Batch: 67621

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 | <4.96         | U                | 248         | 251.2      |               | mg/Kg |   | 100  | 90 - 110    | 0   | 20        |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

## GC VOA

## Prep Batch: 67587

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5655-1         | PH03                   | Total/NA  | Solid  | 5035   |            |
| 890-5655-2         | PH03                   | Total/NA  | Solid  | 5035   |            |
| 890-5655-3         | PH03                   | Total/NA  | Solid  | 5035   |            |
| 890-5655-4         | PH03                   | Total/NA  | Solid  | 5035   |            |
| 890-5655-5         | PH03                   | Total/NA  | Solid  | 5035   |            |
| MB 880-67587/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-67587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-67587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5652-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-5652-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67689

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5655-1         | PH03                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5655-2         | PH03                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5655-3         | PH03                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5655-4         | PH03                   | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5655-5         | PH03                   | Total/NA  | Solid  | 8021B  | 67587      |
| MB 880-67587/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 67587      |
| MB 880-67694/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 67694      |
| LCS 880-67587/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 67587      |
| LCSD 880-67587/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 67587      |
| 890-5652-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 67587      |

## Prep Batch: 67694

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-67694/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 67872

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5655-1    | PH03             | Total/NA  | Solid  | Total BTEX |            |
| 890-5655-2    | PH03             | Total/NA  | Solid  | Total BTEX |            |
| 890-5655-3    | PH03             | Total/NA  | Solid  | Total BTEX |            |
| 890-5655-4    | PH03             | Total/NA  | Solid  | Total BTEX |            |
| 890-5655-5    | PH03             | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 67682

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5655-1         | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-2         | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-3         | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-4         | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-5         | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| MB 880-67700/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 67700      |
| LCS 880-67700/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 67700      |
| LCSD 880-67700/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-1 MS      | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |
| 890-5655-1 MSD     | PH03                   | Total/NA  | Solid  | 8015B NM | 67700      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

## GC Semi VOA

## Prep Batch: 67700

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-5655-1         | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-2         | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-3         | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-4         | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-5         | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-67700/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-67700/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-67700/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-1 MS      | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5655-1 MSD     | PH03                   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 67833

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5655-1    | PH03             | Total/NA  | Solid  | 8015 NM |            |
| 890-5655-2    | PH03             | Total/NA  | Solid  | 8015 NM |            |
| 890-5655-3    | PH03             | Total/NA  | Solid  | 8015 NM |            |
| 890-5655-4    | PH03             | Total/NA  | Solid  | 8015 NM |            |
| 890-5655-5    | PH03             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 67439

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5655-1         | PH03                   | Soluble   | Solid  | DI Leach |            |
| 890-5655-2         | PH03                   | Soluble   | Solid  | DI Leach |            |
| 890-5655-3         | PH03                   | Soluble   | Solid  | DI Leach |            |
| 890-5655-4         | PH03                   | Soluble   | Solid  | DI Leach |            |
| 890-5655-5         | PH03                   | Soluble   | Solid  | DI Leach |            |
| MB 880-67439/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-67439/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-67439/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5654-A-2-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-5654-A-2-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 67621

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5655-1         | PH03                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5655-2         | PH03                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5655-3         | PH03                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5655-4         | PH03                   | Soluble   | Solid  | 300.0  | 67439      |
| 890-5655-5         | PH03                   | Soluble   | Solid  | 300.0  | 67439      |
| MB 880-67439/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 67439      |
| LCS 880-67439/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 67439      |
| LCSD 880-67439/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-A-2-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 67439      |
| 890-5654-A-2-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 67439      |

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Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

Client Sample ID: PH03  
Date Collected: 11/16/23 13:50  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5655-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 04:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67872        | 11/28/23 04:08       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67833        | 11/27/23 10:51       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 67700        | 11/27/23 09:32       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67682        | 11/27/23 10:51       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:23       | SMC     | EET MID |

Client Sample ID: PH03  
Date Collected: 11/16/23 13:55  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5655-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 04:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67872        | 11/28/23 04:34       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67833        | 11/27/23 11:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 67700        | 11/27/23 09:32       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67682        | 11/27/23 11:56       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:29       | SMC     | EET MID |

Client Sample ID: PH03  
Date Collected: 11/16/23 14:00  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5655-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 04:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67872        | 11/28/23 04:59       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67833        | 11/27/23 12:18       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 67700        | 11/27/23 09:32       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67682        | 11/27/23 12:18       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:35       | SMC     | EET MID |

Client Sample ID: PH03  
Date Collected: 11/16/23 14:05  
Date Received: 11/17/23 09:31

Lab Sample ID: 890-5655-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 05:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67872        | 11/28/23 05:25       | SM      | EET MID |

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Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

**Client Sample ID: PH03**  
**Date Collected: 11/16/23 14:05**  
**Date Received: 11/17/23 09:31**

**Lab Sample ID: 890-5655-4**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67833        | 11/27/23 12:40       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 67700        | 11/27/23 09:32       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67682        | 11/27/23 12:40       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:40       | SMC     | EET MID |

**Client Sample ID: PH03**  
**Date Collected: 11/16/23 14:10**  
**Date Received: 11/17/23 09:31**

**Lab Sample ID: 890-5655-5**  
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 67587        | 11/21/23 16:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 67689        | 11/28/23 05:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 67872        | 11/28/23 05:50       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 67833        | 11/27/23 13:02       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 67700        | 11/27/23 09:32       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 67682        | 11/27/23 13:02       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 67439        | 11/20/23 14:49       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 67621        | 11/22/23 07:46       | SMC     | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5655-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5655-1    | PH03             | Solid  | 11/16/23 13:50 | 11/17/23 09:31 | 1'    |
| 890-5655-2    | PH03             | Solid  | 11/16/23 13:55 | 11/17/23 09:31 | 2'    |
| 890-5655-3    | PH03             | Solid  | 11/16/23 14:00 | 11/17/23 09:31 | 3'    |
| 890-5655-4    | PH03             | Solid  | 11/16/23 14:05 | 11/17/23 09:31 | 4'    |
| 890-5655-5    | PH03             | Solid  | 11/16/23 14:10 | 11/17/23 09:31 | 5'    |

- 1
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- 3
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- 12
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- 14







Eurofins Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing

11/28/2023

|  |  |                                  |  |  |  |                                 |  |   |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
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| <b>Client Information (Sub Contract Lab)</b>         |  | Sampler                          |  | Lab PM<br>Kramer, Jessica                            |  | Carrier Tracking No(s)          |  | COC No<br>890-1829 1  |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Client Contact:<br>Shipping/Receiving                |  | Phone                            |  | E-Mail<br>Jessica.Kramer@et.eurofinsus.com           |  | State of Origin:<br>New Mexico  |  | Page:<br>Page 1 of 1  |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Company:<br>Eurofins Environment Testing South Centr |  |                                  |  | Accreditations Required (See note):<br>NELAP - Texas |  |                                 |  | Job #:<br>890-5655-1  |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Address<br>1211 W Florida Ave                        |  | Due Date Requested<br>11/27/2023 |  | <b>Analysis Requested</b>                            |  |                                 |  |   |  | <b>Preservation Codes</b><br>A HCL M Hexane<br>B NaOH N None<br>C Zn Acetate O - AsNaO2<br>D Nitric Acid P Na2O4S<br>E NaHSO4 Q - Na2SO3<br>F - MeOH R Na2S2O3<br>G Amchlor S H2SO4<br>H - Ascorbic Acid T TSP Dodecahydrate<br>I Ice U Acetone<br>J - DI Water V MCAA<br>K EDTA W pH 4-5<br>L EDA Y - Trizma<br>Z other (specify)<br><br>Other: |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| City<br>Midland                                      |  | TAT Requested (days):            |  |  |  |                                 |  |   |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| State Zip<br>TX, 79701                               |  | PO #:                            |  |  |  |                                 |  |   |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Phone<br>432-704-5440(Tel)                           |  | WO #:                            |  |  |  |                                 |  |   |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Email  |  | Project #:<br>89000093           |  |  |  |                                 |  |   |  |  |  |                                 |  |                              |  |                |  |                            |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Project Name:<br>OUTRIDER CUB                        |  | SSOW#:                           |  | Field Filtered Sample (Yes or No)                    |  | Perform MS/MSD (Yes or No)      |  | 8016MOD_NM/8016NM_S_Prep (MOD) Full TPH                     |  | 8016MOD_Calc   |  | 300_ORGFM_28/D/D_LEACH Chloride |  | 8021B/6036FP_Calc (MOD) BTEX |  | Total_BTEX_GCV |  | Total Number of containers |  |       |  |   |  |   |  |   |  |   |  |   |  |   |  |                            |  |
| Site:  |  | Sample Date                      |  | Sample Time  |  | Sample Type<br>(C=comp, G=grab) |  | Matrix<br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) |  | Preservation Code:   |  | PH03 (890-5655-1)               |  | 11/16/23                     |  | 13 50          |  | Mountain                   |  | Solid |  | X |  | X |  | X |  | X |  | X |  | 1 |  | Special Instructions/Note: |  |
| PH03 (890-5655-2)                                    |  | 11/16/23                         |  | 13 55  |  | Mountain                        |  | Solid   |  |  |  | X                               |  | X                            |  | X              |  | X                          |  | X     |  |   |  |   |  |   |  |   |  | 1 |  |   |  |                            |  |
| PH03 (890-5655-3)                                    |  | 11/16/23                         |  | 14 00  |  | Mountain                        |  | Solid   |  |  |  | X                               |  | X                            |  | X              |  | X                          |  | X     |  |   |  |   |  |   |  |   |  | 1 |  |   |  |                            |  |
| PH03 (890-5655-4)                                    |  | 11/16/23                         |  | 14 05  |  | Mountain                        |  | Solid   |  |  |  | X                               |  | X                            |  | X              |  | X                          |  | X     |  |   |  |   |  |   |  |   |  | 1 |  |   |  |                            |  |
| PH03 (890-5655-5)                                    |  | 11/16/23                         |  | 14 10  |  | Mountain                        |  | Solid   |  |  |  | X                               |  | X                            |  | X              |  | X                          |  | X     |  |   |  |   |  |   |  |   |  | 1 |  |   |  |                            |  |
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## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5655-1

SDG Number: 03C1558289

Login Number: 5655

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5655-1

SDG Number: 03C1558289

Login Number: 5655

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 11/20/23 10:41 AM

| 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.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | True   |         |
| 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: Ben Belill  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 1/15/2024 10:52:01 AM Revision 2

## JOB DESCRIPTION

Outrider CVB  
03C1558289

## JOB NUMBER

890-5768-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



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

Generated  
1/15/2024 10:52:01 AM  
Revision 2

Client: Ensolum  
Project/Site: Outrider CVB

Laboratory Job ID: 890-5768-1  
SDG: 03C1558289

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Definitions/Glossary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| E         | Result exceeded calibration range.                       |
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| F2        | MS/MSD RPD exceeds control limits                        |
| 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.                                 |
|----------------|---|
| α              | 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: Outrider CVB

Job ID: 890-5768-1

Job ID: 890-5768-1

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**Job Narrative**  
**890-5768-1**

REVISION

The report being provided is a revision of the original report sent on 12/22/2023. The report (revision 2) is being revised due to Per client email, correcting sample depth.

## Report revision history

Revision 1 - 1/4/2024 - Reason - Per client email, requesting sample depths be corrected to match COC.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

**Receipt**

The samples were received on 12/11/2023 3:44 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 0.4°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SS07 (890-5768-1), SS08 (890-5768-2), SW03 (890-5768-3), SS09 (890-5768-4), SS10 (890-5768-5), SS11 (890-5768-6) and FS03 (890-5768-7).

**GC VOA**

Method 8021B: CCV was biased low; however another CCV was analyzed and acceptable within the 12 hour window; therefore, the data was qualified and reported.

(CCV 880-69272/32)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-69289 and analytical batch 880-69272 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS11 (890-5768-6). 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.

**GC Semi VOA**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-69100 and analytical batch 880-69044 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-68961 and analytical batch 880-69103 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

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Case Narrative

Client: Ensolum  
Project: Outrider CVB

Job ID: 890-5768-1

**Job ID: 890-5768-1 (Continued)** **Eurofins Carlsbad**

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: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS07

Lab Sample ID: 890-5768-1

Date Collected: 12/11/23 10:10

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .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 |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 17:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 81        |           | 70 - 130 | 12/18/23 09:42 | 12/18/23 17:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 12/18/23 09:42 | 12/18/23 17:13 | 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 |   |          | 12/18/23 17:13 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 12/14/23 23:16 | 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 | <49.8  | U F2      | 49.8 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 23:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 23:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 23:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 12/14/23 12:19 | 12/14/23 23:16 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 | 12/14/23 12:19 | 12/14/23 23:16 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 127    |           | 5.00 | mg/Kg |   |          | 12/14/23 15:05 | 1       |

Client Sample ID: SS08

Lab Sample ID: 890-5768-2

Date Collected: 12/11/23 10:20

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .5

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 18:29 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS08

Lab Sample ID: 890-5768-2

Date Collected: 12/11/23 10:20

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .5

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 108       |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 18:29 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 12/21/23 18:29 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 | mg/Kg |   |          | 12/15/23 00:21 | 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 | <50.5     | U         | 50.5     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5     | U         | 50.5     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 00:21 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 00:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 69.0   |           | 4.95 | mg/Kg |   |          | 12/14/23 15:13 | 1       |

Client Sample ID: SW03

Lab Sample ID: 890-5768-3

Date Collected: 12/11/23 12:45

Matrix: Solid

Date Received: 12/11/23 15:44

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 |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 18:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 18:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 18:49 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 12/21/23 18:49 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 12/15/23 00:43 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SW03

Lab Sample ID: 890-5768-3

Date Collected: 12/11/23 12:45

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: 0-5'

## 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 | <49.7     | U         | 49.7     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 00:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 00:43 | 1       |
| o-Terphenyl                          | 101       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 00:43 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 7.17   |           | 4.99 | mg/Kg |   |          | 12/14/23 15:21 | 1       |

Client Sample ID: SS09

Lab Sample ID: 890-5768-4

Date Collected: 12/11/23 12:20

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .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 |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |       |   | 12/20/23 11:11 | 12/21/23 19:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |       |   | 12/20/23 11:11 | 12/21/23 19:09 | 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 |   |          | 12/21/23 19:09 | 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 |   |          | 12/15/23 01:04 | 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 |   | 12/14/23 12:19 | 12/15/23 01:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 01:04 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 01:04 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS09

Lab Sample ID: 890-5768-4

Date Collected: 12/11/23 12:20

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 74.5   |           | 5.00 | mg/Kg |   |          | 12/14/23 15:29 | 1       |

Client Sample ID: SS10

Lab Sample ID: 890-5768-5

Date Collected: 12/11/23 12:25

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .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 |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |       |   | 12/20/23 11:11 | 12/21/23 19:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |       |   | 12/20/23 11:11 | 12/21/23 19:30 | 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 |   |          | 12/21/23 19:30 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 12/15/23 01:26 | 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 | <49.6     | U         | 49.6     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6     | U         | 49.6     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6     | U         | 49.6     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 01:26 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 01:26 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 84.3   |           | 4.98 | mg/Kg |   |          | 12/14/23 15:52 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS11

Lab Sample ID: 890-5768-6

Date Collected: 12/11/23 12:30

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: .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 |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 19:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 0.08      | S1-       | 70 - 130 | 12/20/23 11:11 | 12/21/23 19:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 19:50 | 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 |   |          | 12/21/23 19:50 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 | mg/Kg |   |          | 12/15/23 01:48 | 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 | <50.3  | U         | 50.3 | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3  | U         | 50.3 | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3  | U         | 50.3 | mg/Kg |   | 12/14/23 12:19 | 12/15/23 01:48 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 103       |           | 70 - 130 | 12/14/23 12:19 | 12/15/23 01:48 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 12/14/23 12:19 | 12/15/23 01:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 84.8   |           | 4.95 | mg/Kg |   |          | 12/14/23 16:00 | 1       |

Client Sample ID: FS03

Lab Sample ID: 890-5768-7

Date Collected: 12/11/23 12:50

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: 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 |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 20:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 20:25 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: FS03

Lab Sample ID: 890-5768-7

Date Collected: 12/11/23 12:50

Matrix: Solid

Date Received: 12/11/23 15:44

Sample Depth: 5'

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 108       |           | 70 - 130 | 12/20/23 11:11 | 12/21/23 20:25 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 12/21/23 20:25 | 1       |

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

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 | mg/Kg |   |          | 12/15/23 02:09 | 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 | <50.1     | U         | 50.1     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 02:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 02:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     | mg/Kg |   | 12/14/23 12:19 | 12/15/23 02:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 02:09 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |       |   | 12/14/23 12:19 | 12/15/23 02:09 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <4.97  | U         | 4.97 | mg/Kg |   |          | 12/14/23 16:08 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | BFB1     | DFBZ1    |
|---------------------|------------------------|----------|----------|
|                     |                        | (70-130) | (70-130) |
| 880-37031-A-1-F MS  | Matrix Spike           | 106      | 94       |
| 880-37031-A-1-G MSD | Matrix Spike Duplicate | 619 S1+  | 408 S1+  |
| 880-37053-A-5-B MS  | Matrix Spike           | 103      | 98       |
| 880-37053-A-5-C MSD | Matrix Spike Duplicate | 106      | 99       |
| 890-5768-1          | SS07                   | 81       | 81       |
| 890-5768-2          | SS08                   | 108      | 108      |
| 890-5768-3          | SW03                   | 95       | 108      |
| 890-5768-4          | SS09                   | 106      | 105      |
| 890-5768-5          | SS10                   | 92       | 108      |
| 890-5768-6          | SS11                   | 0.08 S1- | 106      |
| 890-5768-7          | FS03                   | 95       | 108      |
| LCS 880-69289/1-A   | Lab Control Sample     | 92       | 109      |
| LCS 880-69454/1-A   | Lab Control Sample     | 104      | 98       |
| LCSD 880-69289/2-A  | Lab Control Sample Dup | 105      | 109      |
| LCSD 880-69454/2-A  | Lab Control Sample Dup | 95       | 101      |
| MB 880-69289/5-A    | Method Blank           | 68 S1-   | 90       |
| MB 880-69454/5-A    | Method Blank           | 109      | 121      |

## 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     | OTPH1    |
|--------------------|------------------------|----------|----------|
|                    |                        | (70-130) | (70-130) |
| 890-5768-1         | SS07                   | 100      | 103      |
| 890-5768-1 MS      | SS07                   | 122      | 111      |
| 890-5768-1 MSD     | SS07                   | 103      | 94       |
| 890-5768-2         | SS08                   | 101      | 107      |
| 890-5768-3         | SW03                   | 101      | 101      |
| 890-5768-4         | SS09                   | 100      | 104      |
| 890-5768-5         | SS10                   | 104      | 110      |
| 890-5768-6         | SS11                   | 103      | 106      |
| 890-5768-7         | FS03                   | 108      | 110      |
| LCS 880-69100/2-A  | Lab Control Sample     | 101      | 114      |
| LCSD 880-69100/3-A | Lab Control Sample Dup | 103      | 124      |
| MB 880-69100/1-A   | Method Blank           | 101      | 115      |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Lab Sample ID: MB 880-69289/5-A

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69289

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/18/23 09:42 | 12/18/23 11:30 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 68              | S1-             | 70 - 130 | 12/18/23 09:42 | 12/18/23 11:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90              |                 | 70 - 130 | 12/18/23 09:42 | 12/18/23 11:30 | 1       |

Lab Sample ID: LCS 880-69289/1-A

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69289

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.07460       |                  | mg/Kg |   | 75   | 70 - 130       |
| Toluene             | 0.100          | 0.07474       |                  | mg/Kg |   | 75   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08062       |                  | mg/Kg |   | 81   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1642        |                  | mg/Kg |   | 82   | 70 - 130       |
| o-Xylene            | 0.100          | 0.07803       |                  | mg/Kg |   | 78   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-69289/2-A

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69289

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.08165        |                   | mg/Kg |   | 82   | 70 - 130       | 9   | 35           |
| Toluene             | 0.100          | 0.07561        |                   | mg/Kg |   | 76   | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.08217        |                   | mg/Kg |   | 82   | 70 - 130       | 2   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1664         |                   | mg/Kg |   | 83   | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.07988        |                   | mg/Kg |   | 80   | 70 - 130       | 2   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109               |                   | 70 - 130 |

Lab Sample ID: 880-37031-A-1-F MS

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 69289

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00202         | U F1 F2             | 0.0998         | 0.07523      |                 | mg/Kg |   | 75   | 70 - 130       |
| Toluene | <0.00202         | U                   | 0.0998         | 0.07619      |                 | mg/Kg |   | 76   | 70 - 130       |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Lab Sample ID: 880-37031-A-1-F MS

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 69289

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00202      | U F1 F2          | 0.0998      | 0.08897   |              | mg/Kg |   | 89   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00403      | U F1 F2          | 0.200       | 0.1811    |              | mg/Kg |   | 91   | 70 - 130    |
| o-Xylene            | <0.00202      | U F1 F2          | 0.0998      | 0.08511   |              | mg/Kg |   | 85   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 106          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 94           |              | 70 - 130 |

Lab Sample ID: 880-37031-A-1-G MSD

Matrix: Solid

Analysis Batch: 69272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 69289

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00202      | U F1 F2          | 0.101       | 0.2203     | F1 F2         | mg/Kg |   | 219  | 70 - 130    | 98  | 35    |
| Toluene             | <0.00202      | U                | 0.101       | 0.08507    |               | mg/Kg |   | 84   | 70 - 130    | 11  | 35    |
| Ethylbenzene        | <0.00202      | U F1 F2          | 0.101       | 0.1809     | F1 F2         | mg/Kg |   | 179  | 70 - 130    | 68  | 35    |
| m-Xylene & p-Xylene | <0.00403      | U F1 F2          | 0.202       | 0.6505     | F1 F2         | mg/Kg |   | 323  | 70 - 130    | 113 | 35    |
| o-Xylene            | <0.00202      | U F1 F2          | 0.101       | 0.6911     | E F1 F2       | mg/Kg |   | 686  | 70 - 130    | 156 | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 619           | S1+           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 408           | S1+           | 70 - 130 |

Lab Sample ID: MB 880-69454/5-A

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69454

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 12/20/23 11:11 | 12/21/23 17:19 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109          |              | 70 - 130 | 12/20/23 11:11 | 12/21/23 17:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121          |              | 70 - 130 | 12/20/23 11:11 | 12/21/23 17:19 | 1       |

Lab Sample ID: LCS 880-69454/1-A

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69454

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.08249    |               | mg/Kg |   | 82   | 70 - 130    |
| Toluene             | 0.100       | 0.08531    |               | mg/Kg |   | 85   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.07553    |               | mg/Kg |   | 76   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1515     |               | mg/Kg |   | 76   | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Lab Sample ID: LCS 880-69454/1-A

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69454

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09421    |               | mg/Kg |   | 94   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98            |               | 70 - 130 |

Lab Sample ID: LCSD 880-69454/2-A

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69454

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.08494     |                | mg/Kg |   | 85   | 70 - 130    | 3   | 35        |
| Toluene             | 0.100       | 0.08285     |                | mg/Kg |   | 83   | 70 - 130    | 3   | 35        |
| Ethylbenzene        | 0.100       | 0.08367     |                | mg/Kg |   | 84   | 70 - 130    | 10  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1592      |                | mg/Kg |   | 80   | 70 - 130    | 5   | 35        |
| o-Xylene            | 0.100       | 0.08774     |                | mg/Kg |   | 88   | 70 - 130    | 7   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 95             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101            |                | 70 - 130 |

Lab Sample ID: 880-37053-A-5-B MS

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 69454

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00200      | U                | 0.0990      | 0.07973   |              | mg/Kg |   | 81   | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.0990      | 0.07931   |              | mg/Kg |   | 80   | 70 - 130    |
| Ethylbenzene        | <0.00200      | U                | 0.0990      | 0.06968   |              | mg/Kg |   | 70   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00400      | U                | 0.198       | 0.1471    |              | mg/Kg |   | 74   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.0990      | 0.08367   |              | mg/Kg |   | 85   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 |

Lab Sample ID: 880-37053-A-5-C MSD

Matrix: Solid

Analysis Batch: 69587

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 69454

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0998      | 0.08137    |               | mg/Kg |   | 82   | 70 - 130    | 2   | 35        |
| Toluene             | <0.00200      | U                | 0.0998      | 0.07645    |               | mg/Kg |   | 77   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0998      | 0.07618    |               | mg/Kg |   | 76   | 70 - 130    | 9   | 35        |
| m-Xylene & p-Xylene | <0.00400      | U                | 0.200       | 0.1561     |               | mg/Kg |   | 78   | 70 - 130    | 6   | 35        |
| o-Xylene            | <0.00200      | U                | 0.0998      | 0.08791    |               | mg/Kg |   | 88   | 70 - 130    | 5   | 35        |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Lab Sample ID: 880-37053-A-5-C MSD  
Matrix: Solid  
Analysis Batch: 69587

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 69454

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |

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

Lab Sample ID: MB 880-69100/1-A  
Matrix: Solid  
Analysis Batch: 69044

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 69100

| Analyte                              | MB     | MB        |      |       |   |                |                |     |     |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|-----|-----|
|                                      | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 22:11 | 1   |     |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 22:11 | 1   |     |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 12/14/23 12:19 | 12/14/23 22:11 | 1   |     |

| Surrogate      | MB        | MB        |          |  |  | Prepared       | Analyzed       | Dil | Fac |
|----------------|-----------|-----------|----------|--|--|----------------|----------------|-----|-----|
|                | %Recovery | Qualifier | Limits   |  |  |                |                |     |     |
| 1-Chlorooctane | 101       |           | 70 - 130 |  |  | 12/14/23 12:19 | 12/14/23 22:11 | 1   |     |
| o-Terphenyl    | 115       |           | 70 - 130 |  |  | 12/14/23 12:19 | 12/14/23 22:11 | 1   |     |

Lab Sample ID: LCS 880-69100/2-A  
Matrix: Solid  
Analysis Batch: 69044

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 69100

| Analyte                              | Spike | LCS    | LCS       |       |   |      |      |          |  |
|--------------------------------------|-------|--------|-----------|-------|---|------|------|----------|--|
|                                      | Added | Result | Qualifier | Unit  | D | %Rec | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000  | 1067   |           | mg/Kg |   | 107  |      | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | 1000  | 944.1  |           | mg/Kg |   | 94   |      | 70 - 130 |  |

| Surrogate      | LCS       | LCS       |          |  |  |  |  |  |  |
|----------------|-----------|-----------|----------|--|--|--|--|--|--|
|                | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |
| 1-Chlorooctane | 101       |           | 70 - 130 |  |  |  |  |  |  |
| o-Terphenyl    | 114       |           | 70 - 130 |  |  |  |  |  |  |

Lab Sample ID: LCSD 880-69100/3-A  
Matrix: Solid  
Analysis Batch: 69044

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 69100

| Analyte                              | Spike | LCSD   | LCSD      |       |   |      |      |     |       |  |
|--------------------------------------|-------|--------|-----------|-------|---|------|------|-----|-------|--|
|                                      | Added | Result | Qualifier | Unit  | D | %Rec | %Rec | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000  | 1010   |           | mg/Kg |   | 101  |      | 5   | 20    |  |
| Diesel Range Organics (Over C10-C28) | 1000  | 868.2  |           | mg/Kg |   | 87   |      | 8   | 20    |  |

| Surrogate      | LCSD      | LCSD      |          |  |  |  |  |  |  |  |
|----------------|-----------|-----------|----------|--|--|--|--|--|--|--|
|                | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |  |
| 1-Chlorooctane | 103       |           | 70 - 130 |  |  |  |  |  |  |  |
| o-Terphenyl    | 124       |           | 70 - 130 |  |  |  |  |  |  |  |

## QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

Lab Sample ID: 890-5768-1 MS

Matrix: Solid

Analysis Batch: 69044

Client Sample ID: SS07

Prep Type: Total/NA

Prep Batch: 69100

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U F2             | 1010        | 1042      |              | mg/Kg |   | 101  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 1010        | 1100      |              | mg/Kg |   | 105  | 70 - 130    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 1-Chlorooctane                       | 122           |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl                          | 111           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-5768-1 MSD

Matrix: Solid

Analysis Batch: 69044

Client Sample ID: SS07

Prep Type: Total/NA

Prep Batch: 69100

| 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 | <49.8         | U F2             | 1010        | 846.3      | F2            | mg/Kg |   | 82   | 70 - 130    | 21  | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 1010        | 955.2      |               | mg/Kg |   | 90   | 70 - 130    | 14  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 103           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 94            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-68961/1-A

Matrix: Solid

Analysis Batch: 69103

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 |   |          | 12/14/23 12:00 | 1       |

Lab Sample ID: LCS 880-68961/2-A

Matrix: Solid

Analysis Batch: 69103

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 244.2      |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: LCSD 880-68961/3-A

Matrix: Solid

Analysis Batch: 69103

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         | 243.9       |                | mg/Kg |   | 98   | 90 - 110    | 0   | 20        |

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QC Sample Results

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                  |               |                  |             |           |              |       |   |      |             |                                |  |  |  |
|----------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--------------------------------|--|--|--|
| Lab Sample ID: 890-5767-A-1-B MS |               |                  |             |           |              |       |   |      |             | Client Sample ID: Matrix Spike |  |  |  |
| Matrix: Solid                    |               |                  |             |           |              |       |   |      |             | Prep Type: Soluble             |  |  |  |
| Analysis Batch: 69103            |               |                  |             |           |              |       |   |      |             |                                |  |  |  |
| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |                                |  |  |  |
| Chloride                         | 926           | F1               | 252         | 1090      | F1           | mg/Kg |   | 65   | 90 - 110    |                                |  |  |  |

|                                   |               |                  |             |            |               |       |   |      |             |  |           |  |  |
|-----------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|--|-----------|--|--|
| Lab Sample ID: 890-5767-A-1-C MSD |               |                  |             |            |               |       |   |      |             | Client Sample ID: Matrix Spike Duplicate |           |  |  |
| Matrix: Solid                     |               |                  |             |            |               |       |   |      |             | Prep Type: Soluble                       |           |  |  |
| Analysis Batch: 69103             |               |                  |             |            |               |       |   |      |             |  |           |  |  |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                      | RPD Limit |  |  |
| Chloride                          | 926           | F1               | 252         | 1087       | F1            | mg/Kg |   | 64   | 90 - 110    | 0  | 20        |  |  |

## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

## GC VOA

## Analysis Batch: 69272

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5768-1          | SS07                   | Total/NA  | Solid  | 8021B  | 69289      |
| MB 880-69289/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 69289      |
| LCS 880-69289/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 69289      |
| LCSD 880-69289/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 69289      |
| 880-37031-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 69289      |
| 880-37031-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 69289      |

## Prep Batch: 69289

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5768-1          | SS07                   | Total/NA  | Solid  | 5035   |            |
| MB 880-69289/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-69289/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-69289/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-37031-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-37031-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 69379

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-5768-1    | SS07             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-2    | SS08             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-3    | SW03             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-4    | SS09             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-5    | SS10             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-6    | SS11             | Total/NA  | Solid  | Total BTEX |            |
| 890-5768-7    | FS03             | Total/NA  | Solid  | Total BTEX |            |

## Prep Batch: 69454

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-5768-2          | SS08                   | Total/NA  | Solid  | 5035   |            |
| 890-5768-3          | SW03                   | Total/NA  | Solid  | 5035   |            |
| 890-5768-4          | SS09                   | Total/NA  | Solid  | 5035   |            |
| 890-5768-5          | SS10                   | Total/NA  | Solid  | 5035   |            |
| 890-5768-6          | SS11                   | Total/NA  | Solid  | 5035   |            |
| 890-5768-7          | FS03                   | Total/NA  | Solid  | 5035   |            |
| MB 880-69454/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-69454/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-69454/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-37053-A-5-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-37053-A-5-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 69587

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5768-2         | SS08                   | Total/NA  | Solid  | 8021B  | 69454      |
| 890-5768-3         | SW03                   | Total/NA  | Solid  | 8021B  | 69454      |
| 890-5768-4         | SS09                   | Total/NA  | Solid  | 8021B  | 69454      |
| 890-5768-5         | SS10                   | Total/NA  | Solid  | 8021B  | 69454      |
| 890-5768-6         | SS11                   | Total/NA  | Solid  | 8021B  | 69454      |
| 890-5768-7         | FS03                   | Total/NA  | Solid  | 8021B  | 69454      |
| MB 880-69454/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 69454      |
| LCS 880-69454/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 69454      |
| LCSD 880-69454/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 69454      |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

## GC VOA (Continued)

## Analysis Batch: 69587 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-37053-A-5-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 69454      |
| 880-37053-A-5-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 69454      |

## GC Semi VOA

## Analysis Batch: 69044

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5768-1         | SS07                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-2         | SS08                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-3         | SW03                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-4         | SS09                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-5         | SS10                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-6         | SS11                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-7         | FS03                   | Total/NA  | Solid  | 8015B NM | 69100      |
| MB 880-69100/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 69100      |
| LCS 880-69100/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 69100      |
| LCSD 880-69100/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-1 MS      | SS07                   | Total/NA  | Solid  | 8015B NM | 69100      |
| 890-5768-1 MSD     | SS07                   | Total/NA  | Solid  | 8015B NM | 69100      |

## Prep Batch: 69100

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-5768-1         | SS07                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-2         | SS08                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-3         | SW03                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-4         | SS09                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-5         | SS10                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-6         | SS11                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-7         | FS03                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-69100/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-69100/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-69100/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-1 MS      | SS07                   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-5768-1 MSD     | SS07                   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 69201

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-5768-1    | SS07             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-2    | SS08             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-3    | SW03             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-4    | SS09             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-5    | SS10             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-6    | SS11             | Total/NA  | Solid  | 8015 NM |            |
| 890-5768-7    | FS03             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 68961

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-5768-1    | SS07             | Soluble   | Solid  | DI Leach |            |
| 890-5768-2    | SS08             | Soluble   | Solid  | DI Leach |            |
| 890-5768-3    | SW03             | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

## HPLC/IC (Continued)

## Leach Batch: 68961 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-5768-4         | SS09                   | Soluble   | Solid  | DI Leach |            |
| 890-5768-5         | SS10                   | Soluble   | Solid  | DI Leach |            |
| 890-5768-6         | SS11                   | Soluble   | Solid  | DI Leach |            |
| 890-5768-7         | FS03                   | Soluble   | Solid  | DI Leach |            |
| MB 880-68961/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-68961/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-68961/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-5767-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-5767-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 69103

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-5768-1         | SS07                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-2         | SS08                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-3         | SW03                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-4         | SS09                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-5         | SS10                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-6         | SS11                   | Soluble   | Solid  | 300.0  | 68961      |
| 890-5768-7         | FS03                   | Soluble   | Solid  | 300.0  | 68961      |
| MB 880-68961/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 68961      |
| LCS 880-68961/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 68961      |
| LCSD 880-68961/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 68961      |
| 890-5767-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 68961      |
| 890-5767-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 68961      |



Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS07  
Date Collected: 12/11/23 10:10  
Date Received: 12/11/23 15:44

Lab Sample ID: 890-5768-1  
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         | 69289        | 12/18/23 09:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69272        | 12/18/23 17:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/18/23 17:13       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/14/23 23:16       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/14/23 23:16       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 15:05       | CH      | EET MID |

Client Sample ID: SS08  
Date Collected: 12/11/23 10:20  
Date Received: 12/11/23 15:44

Lab Sample ID: 890-5768-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 18:29       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 18:29       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 00:21       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 00:21       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 15:13       | CH      | EET MID |

Client Sample ID: SW03  
Date Collected: 12/11/23 12:45  
Date Received: 12/11/23 15:44

Lab Sample ID: 890-5768-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 18:49       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 18:49       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 00:43       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 00:43       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 15:21       | CH      | EET MID |

Client Sample ID: SS09  
Date Collected: 12/11/23 12:20  
Date Received: 12/11/23 15:44

Lab Sample ID: 890-5768-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 19:09       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 19:09       | AJ      | EET MID |

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## Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: SS09

Lab Sample ID: 890-5768-4

Date Collected: 12/11/23 12:20

Matrix: Solid

Date Received: 12/11/23 15:44

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 01:04       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 01:04       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 15:29       | CH      | EET MID |

Client Sample ID: SS10

Lab Sample ID: 890-5768-5

Date Collected: 12/11/23 12:25

Matrix: Solid

Date Received: 12/11/23 15:44

| 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         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 19:30       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 19:30       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 01:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 01:26       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 15:52       | CH      | EET MID |

Client Sample ID: SS11

Lab Sample ID: 890-5768-6

Date Collected: 12/11/23 12:30

Matrix: Solid

Date Received: 12/11/23 15:44

| 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         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 19:50       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 19:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 01:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.94 g         | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 01:48       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 16:00       | CH      | EET MID |

Client Sample ID: FS03

Lab Sample ID: 890-5768-7

Date Collected: 12/11/23 12:50

Matrix: Solid

Date Received: 12/11/23 15:44

| 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         | 69454        | 12/20/23 11:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 69587        | 12/21/23 20:25       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 69379        | 12/21/23 20:25       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 69201        | 12/15/23 02:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 69100        | 12/14/23 12:19       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 69044        | 12/15/23 02:09       | SM      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

Client Sample ID: FS03  
Date Collected: 12/11/23 12:50  
Date Received: 12/11/23 15:44

Lab Sample ID: 890-5768-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 68961        | 12/13/23 07:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 69103        | 12/14/23 16:08       | CH      | EET MID |

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

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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       | T104704400-23-26      | 06-30-24        |
| 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: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

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

**Protocol References:**  
ASTM = ASTM International  
EPA = US Environmental Protection Agency  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: Ensolum  
Project/Site: Outrider CVB

Job ID: 890-5768-1  
SDG: 03C1558289

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-5768-1    | SS07             | Solid  | 12/11/23 10:10 | 12/11/23 15:44 | .5    |
| 890-5768-2    | SS08             | Solid  | 12/11/23 10:20 | 12/11/23 15:44 | .5    |
| 890-5768-3    | SW03             | Solid  | 12/11/23 12:45 | 12/11/23 15:44 | 0-5'  |
| 890-5768-4    | SS09             | Solid  | 12/11/23 12:20 | 12/11/23 15:44 | .5    |
| 890-5768-5    | SS10             | Solid  | 12/11/23 12:25 | 12/11/23 15:44 | .5    |
| 890-5768-6    | SS11             | Solid  | 12/11/23 12:30 | 12/11/23 15:44 | .5    |
| 890-5768-7    | FS03             | Solid  | 12/11/23 12:50 | 12/11/23 15:44 | 5'    |

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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) 988-3199

Work Order No:

www.xenco.com Page 1 of 1

|                  |                         |                         |                              |
|------------------|-------------------------|-------------------------|------------------------------|
| Project Manager: | Ben Belill              | Bill to: (if different) | Garrett Green                |
| Company Name:    | Ensolum                 | Company Name:           | XTO Energy                   |
| Address:         | 3122 National Parks Hwy | Address:                | 3104 E. Green St.            |
| City, State ZIP: | Carlsbad, NM 88220      | City, State ZIP:        | Carlsbad, NM 88220           |
| Phone:           | 303-887-2946            | Email:                  | Garrett.Green@ExxonMobil.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:            |   | Turn Around   |  | ANALYSIS REQUEST |                         |            |             |  |  |  |  |  |  |  |  | Preservative Codes  |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
|--------------------------|---|---|--|------------------|-------------------------|------------|-------------|--|--|--|--|--|--|--|--|---|----------------------------|--|-----------------|--|--|--|--|--|--|--|---------|---|----------|
| Project Number:          | 03C1558289  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush       |  | Pres. Code       |                         |            |             |  |  |  |  |  |  |  |  | None: NO  | DI Water: H <sub>2</sub> O |  |                 |  |  |  |  |  |  |  |         |   |          |
| Project Location:        |   | Due Date:   |  | Parameters       | CHLORIDES (EPA: 3000.0) | TPH (8015) | BTEX (8021) | <br>890-5768 Chain of Custody |  |  |  |  |  |  |  | Cool: Cool  | MeOH: Me                   |  |                 |  |  |  |  |  |  |  |         |   |          |
| Sampler's Name:          | Connor Whitman  | TAT starts the day received by the lab, if received by 4:30pm                   |  |                  |                         |            |             |  |  |  |  |  |  |  |  |   |                            |  |                 |  |  |  |  |  |  |  | HCL: HC | HNO <sub>3</sub> : HN                           |          |
| PO #:                    |   |   |  |                  |                         |            |             |  |  |  |  |  |  |  |  |   |                            |  |                 |  |  |  |  |  |  |  |         | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na |
| SAMPLE RECEIPT           |   | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                  |                         |            |             |  |  |  |  |  |  |  |  |   |                            |  |                 |  |  |  |  |  |  |  |         | H <sub>3</sub> PO <sub>4</sub> : HP             |          |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No     | Thermometer ID:   | 11111111   |                  |                         |            |             |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Correction Factor:  | 0.2  |                  |                         |            |             |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Temperature Reading:  | 0.6  |                  |                         |            |             |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
| Total Containers:        |   | Corrected Temperature:  | 0.4  |                  |                         |            |             |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
| Sample Identification    | Matrix  | Date Sampled  | Time Sampled   | Depth            | Grab/Comp               | # of Cont  |             |  |  |  |  |  |  |  |  |   |                            |  | Sample Comments |  |  |  |  |  |  |  |         |   |          |
| SS07                     | S   | 12/11/23  | 1010   | 1.5'             | C                       | 1          |             |  |  |  |  |  |  |  |  |   |                            |  | Incident ID:    |  |  |  |  |  |  |  |         |   |          |
| SS08                     |   |   | 1020   | 1.5'             |                         | 1          |             |  |  |  |  |  |  |  |  |   |                            |  | NAPP2330651127  |  |  |  |  |  |  |  |         |   |          |
| SW03                     |   |   | 1245   | 0-5'             |                         | 1          |             |  |  |  |  |  |  |  |  |   |                            |  |                 |  |  |  |  |  |  |  |         |   |          |
| SS09                     |   |   | 1220   | .5               |                         | 1          |             |  |  |  |  |  |  |  |  |   |                            |  | Cost Center:    |  |  |  |  |  |  |  |         |   |          |
| SS10                     |   |   | 1225   | .5               |                         | 1          |             |  |  |  |  |  |  |  |  |   |                            |  | 1056151001      |  |  |  |  |  |  |  |         |   |          |
| SS11                     |   |   | 1230   | .5               |                         | 1          |             |  |  |  |  |  |  |  |  |   |                            |  | AFE:            |  |  |  |  |  |  |  |         |   |          |
| FS03                     | ↓   | ↓   | 1250   | 5'               | ↓                       | 1          |             |  |  |  |  |  |  |  |  |   |                            |  |                 |  |  |  |  |  |  |  |         |   |          |

|  |               |             |       |       |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                |   |    |    |                  |    |    |    |    |   |   |    |
|--|---------------|-------------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------------|---|----|----|------------------|----|----|----|----|---|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA       | 13PPM | Texas | 11    | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni                             | K | Se | Ag | SiO <sub>2</sub> | 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 <i>[Signature]</i>         | <i>[Signature]</i>       | 12/11/23 15:44 |                              |                          |           |
| 3                            |                          |                |                              |                          |           |
| 5                            |                          |                |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5768-1  
SDG Number: 03C1558289

Login Number: 5768  
List Number: 1  
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5768-1  
SDG Number: 03C1558289

Login Number: 5768  
List Number: 2  
Creator: Rodriguez, Leticia

List Source: Eurofins Midland  
List Creation: 12/13/23 11:31 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    |         |



## APPENDIX E

### NMOCD Notifications

---

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Thursday, November 9, 2023 4:16 PM  
**To:** Collins, Melanie <melanie.collins@exxonmobil.com>; spills@slo.state.nm.us  
**Cc:** Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>; Green, Garrett J <garrett.green@exxonmobil.com>; Ben Belill <bbelill@ensolum.com>; Goodgame, Gary Glen <gary.goodgame@exxonmobil.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] XTO - Sampling Notification (Week of 11/13/23 - 11/17/23)

You don't often get email from [shelly.wells@emnrd.nm.gov](mailto:shelly.wells@emnrd.nm.gov). [Learn why this is important](#)

[ \*\*EXTERNAL EMAIL\*\* ]

Hi Melanie,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

*Shelly*

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Collins, Melanie <[melanie.collins@exxonmobil.com](mailto:melanie.collins@exxonmobil.com)>  
**Sent:** Thursday, November 9, 2023 1:30 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; [spills@slo.state.nm.us](mailto:spills@slo.state.nm.us)  
**Cc:** Lambert, Tommee L <[tommee.l.lambert@exxonmobil.com](mailto:tommee.l.lambert@exxonmobil.com)>; Green, Garrett J <[garrett.green@exxonmobil.com](mailto:garrett.green@exxonmobil.com)>; [bbelill@ensolum.com](mailto:bbelill@ensolum.com); Goodgame, Gary Glen <[gary.goodgame@exxonmobil.com](mailto:gary.goodgame@exxonmobil.com)>  
**Subject:** [EXTERNAL] XTO - Sampling Notification (Week of 11/13/23 - 11/17/23)

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---

All,

XTO plans to complete final sampling activities at the sites listed below for the week of November 13, 2023, between 8 a.m. and 5 p.m MST.

Thank you,

|                                    |                              |
|------------------------------------|------------------------------|
| Site Name                          | Outrider CVB                 |
| Location                           | J-28-24S-32E; Lea County, NM |
| Incident ID                        | nAPP2330651127               |
| Source & Description of Activities | Sampling                     |
| Expected Duration for Activities   | 2 Days (11.13.23-11.14.23)   |
| Env Consultant                     | Ensolum                      |
| Contractor                         | Tex Mex                      |
| Sampling Notification Required     | Yes                          |
| Surface Owner                      | BLM                          |

|                                    |                               |
|------------------------------------|-------------------------------|
| Site Name                          | Remuda Basin 1                |
| Location                           | J-24-23S-29E; Eddy County, NM |
| Incident ID                        | NAB1836137253                 |
| Source & Description of Activities | Sampling                      |
| Expected Duration for Activities   | 3 Days (11.13.23-11.15.23)    |
| Env Consultant                     | Ensolum                       |
| Contractor                         | Tex Mex                       |
| Sampling Notification Required     | Yes                           |
| Surface Owner                      | SLO                           |

Thank you,

*Melanie Collins*



Environmental Technician

[melanie.collins@exxonmobil.com](mailto:melanie.collins@exxonmobil.com)

432-556-3756

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Collins, Melanie; spills@slo.state.nm.us](#)  
**Cc:** [Green, Garrett J; Lambert, Tommee L; Ben Belill; Tacoma Morrissey; Velez, Nelson, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD](#)  
**Subject:** RE: [EXTERNAL] XTO - Sampling Notification (Week of 12/11/23 - 12/15/23)  
**Date:** Thursday, December 7, 2023 10:49:30 AM  
**Attachments:** [image001.png](#)  
[Public Notice Implementation of Digital C-141 and Incident Statuses \(1\).pdf](#)

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Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. [Learn why this is important](#)

[ \*\*EXTERNAL EMAIL\*\* ]

Good morning Melanie,

I have attached the new procedures for submitting both liner inspection and confirmation sampling notifications. Please refer to page 59 of the attached document for submittal procedures. It will walk you through the process. Notifications need to be submitted this way from here on out.

*Shelly*

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Collins, Melanie <melanie.collins@exxonmobil.com>  
**Sent:** Thursday, December 7, 2023 7:28 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; [spills@slo.state.nm.us](mailto:spills@slo.state.nm.us)  
**Cc:** Green, Garrett J <garrett.green@exxonmobil.com>; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>; [bbelill@ensolum.com](mailto:bbelill@ensolum.com); Tacoma Morrissey <tmorrissey@ensolum.com>  
**Subject:** [EXTERNAL] XTO - Sampling Notification (Week of 12/11/23 - 12/15/23)

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

All,

XTO plans to complete final sampling activities at the sites listed below for the week of December 11, 2023, between 8 a.m. and 5 p.m MST.

Thank you,

---

|                                     |  |
|-------------------------------------|--|
| Site Name                           | PLU 29-20 BS 108H  |
| Location                            | A-29-25S-31E; Eddy County, NM  |
| Incident ID                         | nAPP2328644007   |
| Source & Description of Activities  | Soil Sampling  |
| Env Consultant                      | Ensolum  |
| Contractor                          | Tex Mex  |
| Sampling Notification Required      | Yes  |
| Surface Owner                       | BLM  |
| Sampling surface area (square feet) | 9,250  |
| Estimated Number of Samples         | 57   |
| Sampling Dates                      | 12/11/2023 (Monday) – 12/13/2023 (Wednesday)                           |
| Sampling Times                      | 8:00am to 5:00pm MST   |
| Site Location and Additional Info   | GPS at 32.10662, -103.79189. Open Access, potential H2S and livestock. |

|                                     |  |
|-------------------------------------|--|
| Site Name                           | Outrider CVB   |
| Location                            | J-28-24S-32E; Lea County, NM   |
| Incident ID                         | nAPP2330651127   |
| Source & Description of Activities  | Soil Sampling  |
| Env Consultant                      | Ensolum  |
| Contractor                          | Tex Mex  |
| Sampling Notification Required      | Yes  |
| Surface Owner                       | BLM  |
| Sampling surface area (square feet) | 800  |
| Estimated Number of Samples         | 10   |
| Sampling Dates                      | 12/11/2023 (Monday) – 12/12/2023 (Tuesday)                               |
| Sampling Times                      | 8:00am to 5:00pm MST   |
| Site Location and Additional Info   | GPS at 32.186222, -103.676731. Open Access, potential H2S and livestock. |

|                                    |                               |
|------------------------------------|-------------------------------|
| Site Name                          | Nash Unit #046H               |
| Location                           | C-18-23S-30E; Eddy County, NM |
| Incident ID                        | NAB1821139914                 |
| Source & Description of Activities | Soil Sampling                 |
| Env Consultant                     | Ensolum                       |
| Contractor                         | Tex Mex                       |

|                                     |  |
|-------------------------------------|--|
| Sampling Notification Required      | Yes  |
| Surface Owner                       | SLO  |
| Sampling surface area (square feet) | 800  |
| Estimated Number of Samples         | 10   |
| Sampling Dates                      | 12/14/2023 (Thursday) – 12/15/2023 (Friday)  |
| Sampling Times                      | 8:00am to 5:00pm MST   |
| Additional Sampling Information     | Delineation soil sampling only.  |
| Site Location and Additional Info   | GPS at 32.308253, -103.927077. Open Access, potential H2S and livestock. Location along active lease road. |

|                                     |  |
|-------------------------------------|--|
| Site Name                           | Pierce Canyon 17 Tank Battery  |
| Location                            | P-17-25S-30E; Eddy County, NM  |
| Incident ID                         | NAPP2233951574   |
| Source & Description of Activities  | Soil Sampling  |
| Env Consultant                      | Ensolum  |
| Contractor                          | Tex Mex  |
| Sampling Notification Required      | Yes  |
| Surface Owner                       | BLM  |
| Sampling surface area (square feet) | 8,900  |
| Estimated Number of Samples         | 30   |
| Sampling Dates                      | 12/14/2023 (Thursday) – 12/15/2023 (Friday)                              |
| Sampling Times                      | 8:00am to 5:00pm MST   |
| Additional Sampling Information     | NMOCD approved 500 square foot sampling variance                         |
| Site Location and Additional Info   | GPS at 32.124181, -103.895993. Open Access, potential H2S and livestock. |

|                                     |                               |
|-------------------------------------|-------------------------------|
| Site Name                           | Remuda Basin 1                |
| Location                            | J-24-23S-29E; Eddy County, NM |
| Incident ID                         | NAB1836137253                 |
| Source & Description of Activities  | Soil Sampling                 |
| Env Consultant                      | Ensolum                       |
| Contractor                          | Tex Mex                       |
| Sampling Notification Required      | Yes                           |
| Surface Owner                       | SLO                           |
| Sampling surface area (square feet) | 15,000                        |
|                                     |                               |

|                                   |  |
|-----------------------------------|--|
| Estimated Number of Samples       | 85   |
| Sampling Dates                    | 12/11/2023 (Monday) – 12/15/2023 (Friday)                                |
| Sampling Times                    | 8:00am to 5:00pm MST   |
| Site Location and Additional Info | GPS at 32.288133, -103.936189. Open Access, potential H2S and livestock. |

Thank you,

*Melanie Collins*



Environmental Technician

[melanie.collins@exxonmobil.com](mailto:melanie.collins@exxonmobil.com)

432-556-3756



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

QUESTIONS  
  
Action 305589

QUESTIONS

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>305589  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |   |

QUESTIONS

|                  |  |
|------------------|--|
| Prerequisites    |  |
| Incident ID (n#) | nAPP2330651127                               |
| Incident Name    | NAPP2330651127 OUTRIDER CVB TANK BATTERY @ 0 |
| Incident Type    | Oil Release                                  |
| Incident Status  | Remediation Closure Report Received          |

|  |                           |
|--|---------------------------|
| Location of Release Source                     |                           |
| Please answer all the questions in this group. |                           |
| Site Name                                      | OUTRIDER CVB TANK BATTERY |
| Date Release Discovered                        | 10/21/2023                |
| Surface Owner                                  | Federal                   |

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

|  |  |
|--|--|
| Nature and Volume of Release   |  |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |  |
| Crude Oil Released (bbls) Details  | Cause: Equipment Failure   Other (Specify)   Crude Oil   Released: 7 BBL   Recovered: 6 BBL   Lost: 1 BBL.   |
| Produced Water Released (bbls) Details   | Not answered.  |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Not answered.  |
| Condensate Released (bbls) Details   | Not answered.  |
| Natural Gas Vented (Mcf) Details   | Not answered.  |
| Natural Gas Flared (Mcf) Details   | Not answered.  |
| Other Released Details   | Not answered.  |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | A broken sight glass on heater treater 501 caused fluids to release to pad. All free fluids were recovered. A third-party contractor has been retained for remediation purposes. |

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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 305589

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:         | 5380  |
|   | Action Number: | 305589  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS****Nature and Volume of Release (continued)**

|   |   |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported)               | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                  | No  |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable.  |

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

**Initial Response**

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

|  |               |
|--|---------------|
| The source of the release has been stopped   | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why   | Not answered. |

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

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

|  |  |
|--|--|
| I hereby agree and sign off to the above statement | Name: Garrett Green<br>Title: SHE Coordinator<br>Email: garrett.green@exxonmobil.com<br>Date: 01/19/2024 |
|--|--|

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 305589

**QUESTIONS (continued)**

|   |                |
|---|----------------|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:         |
|   | 5380           |
|   | Action Number: |
|   | 305589         |
| Action Type:  |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)                 |                |

**QUESTIONS****Site Characterization**

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

|  |                                |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (ft.)      |
| What method was used to determine the depth to ground water  | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Between 1000 (ft.) and ½ (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Greater than 5 (mi.)           |
| An occupied permanent residence, school, hospital, institution, or church  | Greater than 5 (mi.)           |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Between ½ and 1 (mi.)          |
| Any other fresh water well or spring   | Between 1000 (ft.) and ½ (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Greater than 5 (mi.)           |
| A wetland  | Between ½ and 1 (mi.)          |
| A subsurface mine  | Greater than 5 (mi.)           |
| An (non-karst) unstable area   | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology   | Low                            |
| A 100-year floodplain  | Greater than 5 (mi.)           |
| Did the release impact areas not on an exploration, development, production, or storage site                               | No                             |

**Remediation Plan**

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

|   |     |
|---|-----|
| Requesting a remediation plan approval with this submission   | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |     |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes |
| Was this release entirely contained within a lined containment area   | No  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|                   |                                    |     |
|-------------------|------------------------------------|-----|
| Chloride          | (EPA 300.0 or SM4500 Cl B)         | 127 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M)          | 739 |
| GRO+DRO           | (EPA SW-846 Method 8015M)          | 681 |
| BTEX              | (EPA SW-846 Method 8021B or 8260B) | 0.1 |
| Benzene           | (EPA SW-846 Method 8021B or 8260B) | 0   |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|   |            |
|---|------------|
| On what estimated date will the remediation commence                        | 11/08/2023 |
| On what date will (or did) the final sampling or liner inspection occur     | 12/11/2023 |
| On what date will (or was) the remediation complete(d)                      | 12/11/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 2040       |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 300        |
| What is the estimated surface area (in square feet) that will be remediated | 550        |
| What is the estimated volume (in cubic yards) that will be remediated       | 100        |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 305589

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID: 5380   |
|   | Action Number: 305589                                       |
|   | Action Type:  |
|   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |  |
|--|--|
| <b>Remediation Plan (continued)</b>  |  |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>   |  |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |  |
| <i>(Select all answers below that apply.)</i>  |  |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)  | Yes  |
| Which OCD approved facility will be used for <b>off-site</b> disposal  | HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]   |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal  | Not answered.  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state   | Not answered.  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility   | Not answered.  |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)  | Not answered.  |
| (In Situ) Soil Vapor Extraction  | Not answered.  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)  | Not answered.  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)   | Not answered.  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)   | Not answered.  |
| Ground Water Abatement pursuant to 19.15.30 NMAC   | Not answered.  |
| OTHER (Non-listed remedial process)  | Not answered.  |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>   |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |
| I hereby agree and sign off to the above statement   | Name: Garrett Green<br>Title: SHE Coordinator<br>Email: garrett.green@exxonmobil.com<br>Date: 01/19/2024 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>  |  |

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QUESTIONS, Page 5  
  
Action 305589

QUESTIONS (continued)

|   |                |
|---|----------------|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:         |
|   | 5380           |
|   | Action Number: |
|   | 305589         |
| Action Type:  |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)                     |                |

QUESTIONS

|  |    |
|--|----|
| Deferral Requests Only   |    |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission   | No |

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QUESTIONS, Page 6

Action 305589

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:         | 5380  |
|   | Action Number: | 305589  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS**

| Sampling Event Information  |            |
|---|------------|
| Last sampling notification (C-141N) recorded  | 292472     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 12/11/2023 |
| What was the (estimated) number of samples that were to be gathered                             | 10         |
| What was the sampling surface area in square feet   | 800        |

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

|  |   |
|--|---|
| Requesting a remediation closure approval with this submission   | Yes   |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes   |
| Was this release entirely contained within a lined containment area  | No  |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes   |
| What was the total surface area (in square feet) remediated  | 550   |
| What was the total volume (cubic yards) remediated   | 100   |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes   |
| What was the total surface area (in square feet) reclaimed   | 550   |
| What was the total volume (in cubic yards) reclaimed   | 100   |
| Summarize any additional remediation activities not included by answers (above)  | Site assessment and excavation activities were conducted at the Site to address the October 21, 2023, release of crude oil. Laboratory analytical results for excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Closure Criteria. Based on laboratory analytical results, no further remediation is required at this time. Areas pending reclamation, approximately 1,490 square feet and 200 cubic yards, will be completed during pad abandonment or major facility reconstruction. |

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

|  |  |
|--|--|
| I hereby agree and sign off to the above statement | Name: Garrett Green<br>Title: SHE Coordinator<br>Email: garrett.green@exxonmobil.com<br>Date: 01/19/2024 |
|--|--|

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QUESTIONS, Page 7  
  
Action 305589

QUESTIONS (continued)

|   |   |        |
|---|---|--------|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:  | 5380   |
|   | Action Number:  | 305589 |
|   | Action Type:  |        |
|   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |        |

QUESTIONS

|   |    |
|---|----|
| Reclamation Report  |    |
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |

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CONDITIONS  
  
Action 305589

CONDITIONS

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>305589  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez     | None      | 3/26/2024      |