

| | |
|----------------|----------------|
| Incident ID | NAPP2232537823 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Garrett Green Title: Environmental Coordinator

Signature:  Date: 02/08/2023

email: garrett.green@exxonmobil.com Telephone: 575-200-0729

OCD Only

Received by: Jocelyn Harimon Date: 02/08/2023

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

Closure Approved by:  Date: 5/30/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

| | |
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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 32.10185 Longitude -103.84166
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|---------------------------|
| Site Name PLU 25 Brushy Draw 901H | Site Type Production Well |
| Date Release Discovered 11/10/2022 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| E | 25 | 25S | 30E | Eddy |

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) 0.43 | Volume Recovered (bbls) 0.35 |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 5.69 | Volume Recovered (bbls) 4.65 |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input checked="" 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 Corrosion caused a pinhole on a 4" steel flowline to release fluids. Vac truck was dispatched and recovered all free-standing fluid. A third-party contractor has been retained for remediation purposes.

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| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? N/A |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 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. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <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: 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: <u>Garrett Green</u> | Title: <u>SSHE Coordinator</u> |
| Signature: <u></u> | Date: <u>11/18/2022</u> |
| email: <u>garrett.green@exxonmobil.com</u> | Telephone: <u>575-200-0729</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ | |

| | | |
|--|--------------------------------|---------|
| Location: | PLU 25 Brushy Draw 901H | |
| Spill Date: | 11/10/2022 | |
| Area 1 | | |
| Approximate Area = | 1260.00 | sq. ft. |
| Average Saturation (or depth) of spill = | 2.00 | inches |
| | | |
| Average Porosity Factor = | 0.03 | |
| | | |
| VOLUME OF LEAK | | |
| Total Crude Oil = | 0.43 | bbls |
| Total Produced Water = | 5.69 | bbls |
| TOTAL VOLUME OF LEAK | | |
| Total Crude Oil = | 0.43 | bbls |
| Total Produced Water = | 5.69 | bbls |
| TOTAL VOLUME RECOVERED | | |
| Total Crude Oil = | 0.35 | bbls |
| Total Produced Water = | 4.65 | bbls |

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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Printed Name: Garrett Green Title: Environmental Coordinator

Signature:  Date: 02/08/2023

email: garrett.green@exxonmobil.com Telephone: 575-200-0729

OCD Only

Received by: Jocelyn Harimon Date: 02/08/2023

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
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Received by: Jocelyn Harimon Date: 02/08/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



February 8, 2023

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

**Re: Closure Request
PLU 25 Brushy Draw 901H
Incident Number NAPP2232537823
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document excavation and soil sampling activities completed to address impacted soil at the PLU 25 Brushy Draw 901H (Site). Soil was impacted by a release of crude oil and produced water onto the surface of the well pad. Based on excavation activities and analytical results from soil sampling events, XTO is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2232537823.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 25, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.10185°, -103.84166°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On November 10, 2022, corrosion on a 4-inch steel flowline resulted in the release of approximately 0.43 barrels (bbls) of crude oil and 5.69 bbls of produced water. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 0.35 bbls of crude oil and 4.65 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a Release Notification Form C-141 (Form C-141) on November 18, 2022. The release was assigned Incident Number NAPP2232537823.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to 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 4 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 a recent soil boring drilled for determination of regional groundwater depth. On February 24, 2021, a soil boring permitted by the New Mexico Office of the State Engineer (NMOSE) under file number C-4498 was drilled 0.12 miles southeast of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-4498 was drilled to a depth of 109 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was

XTO Energy, Inc.
Closure Request
PLU 25 Brushy Draw 901H

left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 109 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash approximately 640 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND SAMPLING ACTIVITIES

On January 6, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Seven delineation soil samples (SS01 through SS07) were collected within and around the release extent at a depth of 0.5 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing 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 was completed during the Site visit and a photographic log 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 contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they were collected may not have equilibrated to 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 through SS03 and SS05, collected within the release extent, indicated TPH-GRO/TPH-DRO and/or TPH concentrations exceeded the Closure Criteria. Laboratory analytical results for delineation soil samples SS04, SS06, and SS07, collected around the release extent, indicated all COC concentrations were compliant with the Closure Criteria the strictest Table I Closure Criteria, confirming the lateral extent of the release. Laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results, additional remediation activities appeared to be warranted.

XTO Energy, Inc.
Closure Request
PLU 25 Brushy Draw 901H

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On January 12 and 13, 2023, Ensolum personnel returned to the Site to oversee excavation activities. Upon arrival on Site, personnel noted a trench of flowlines ran underneath the release extent. Utilizing a hydrovac, the trench was spotted in three locations throughout the release extent, confirming a line depth of 4 feet bgs. Upon confirmation of line depth, excavation activities commenced. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the delineation soil samples. Excavation activities were performed using a track-mounted backhoe. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to a depth of 2 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor 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. Composite soil samples FS01 through FS07 were collected from the floor of the excavation at a depth of 2 feet bgs. Composite soil samples SW01 and SW02 were collected from the sidewalls of the excavation at depths ranging from ground surface to 2 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The excavation area measured approximately 1,400 square feet. A total of approximately 104 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Carlsbad, New Mexico.

Laboratory analytical results for excavation floor samples FS01 through FS07 and sidewall samples SW01 and SW02 indicated all COC concentrations were compliant with the Closure Criteria and no further remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the November 10, 2022 release of crude oil and produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on soil sample laboratory analytical results, no further remediation is required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. XTO believes remedial actions taken at the Site have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2232537823.

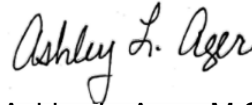
XTO Energy, Inc.
Closure Request
PLU 25 Brushy Draw 901H

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

Sincerely,
Ensolum, LLC



Meredith Roberts
Field Geologist



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

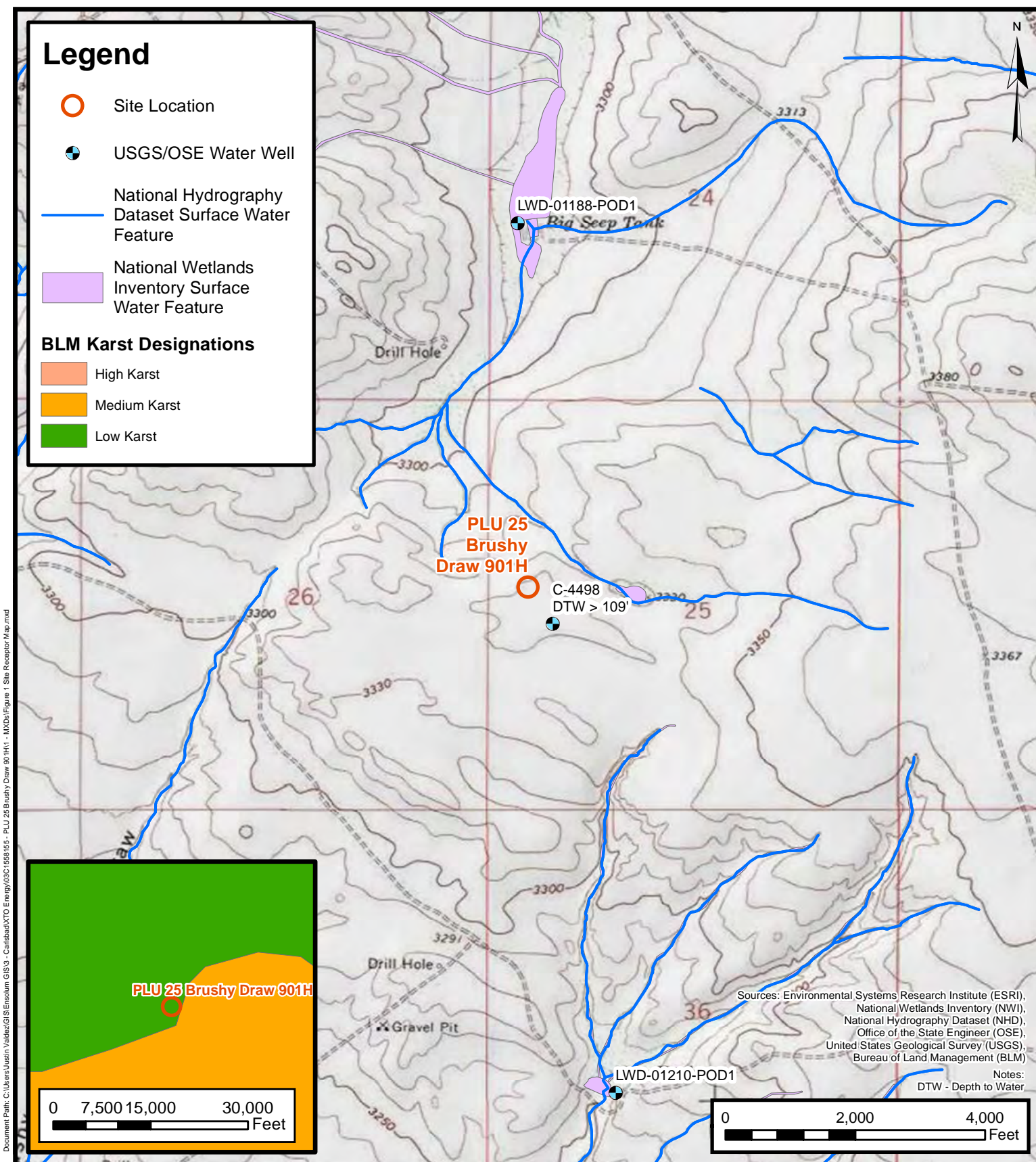
cc: Garrett Green, XTO
Shelby Pennington, XTO
Bureau of Land Management

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 | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix D | NMOCD Notifications |



FIGURES



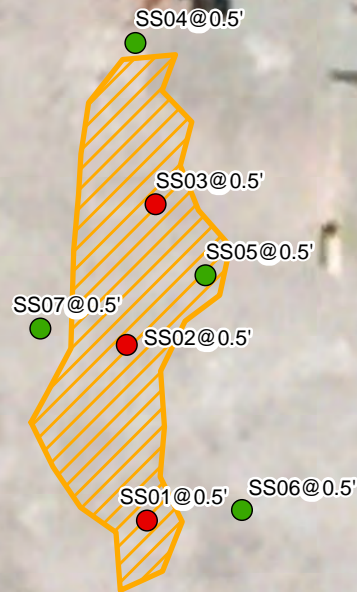
Site Receptor Map

PLU 25 Brushy Draw 901H
 XTO Energy, Inc
 Unit E Sec 25 T25S R30E
 Eddy County, New Mexico
 Incident Number: NAPP2232537823

FIGURE
 1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Release Extent



Notes:
 Soil samples in **bold** indicate soil concentrations exceed the applicable regulatory criteria.
 Sample ID @ Depth Below Ground Surface.
 Soil samples in grey indicate soil was removed during excavation activities

0 30 60
 Feet

Sources: Environmental Systems Research Institute (ESRI)



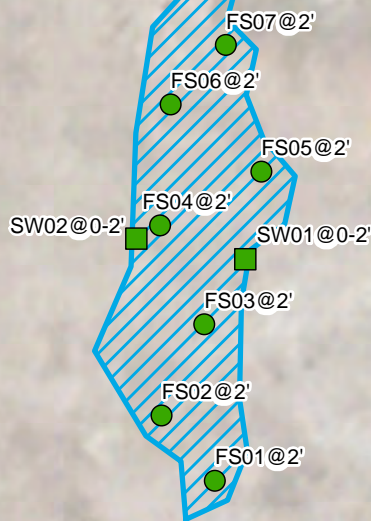
Delineation Soil Sample Locations

PLU 25 Brushy Draw 901H
 XTO Energy, Inc
 Unit E Sec 25 T25S R30E
 Eddy County, New Mexico
 Incident Number: NAPP2232537823

FIGURE
2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Excavation Extent



Notes:
 Soil samples in **bold** indicate soil concentrations exceed the applicable regulatory criteria.
 Sample ID @ Depth Below Ground Surface.
 Soil samples in grey indicate soil was removed during excavation activities

0 30 60
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

PLU 25 Brushy Draw 901H
 XTO Energy, Inc
 Unit E Sec 25 T25S R30E
 Eddy County, New Mexico
 Incident Number: NAPP2232537823

FIGURE
3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 25 Brushy Draw 901H
XTO Energy, Inc
Eddy 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 | 01/06/2023 | 0.5 | <0.00200 | 0.00826 | 245 | 7,450 | <49.9 | 7,695 | 7,700 | 10,000 |
| SS02 | 01/06/2023 | 0.5 | <0.00200 | 0.0164 | 451 | 15,500 | <249 | 15,951 | 16,000 | 12,400 |
| SS03 | 01/06/2023 | 0.5 | <0.00200 | <0.00401 | 1,230 | 8,000 | <49.9 | 9,230 | 9,230 | 8,990 |
| SS04 | 01/06/2023 | 0.5 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 321 |
| SS05 | 01/06/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | 58.7 | <49.9 | 58.7 | 58.7 | 670 |
| SS06 | 01/06/2023 | 0.5 | <0.00198 | <0.00396 | <49.9 | 63.2 | <49.9 | 63.2 | 63.2 | 549 |
| SS07 | 01/06/2023 | 0.5 | <0.00200 | <0.00401 | <50.0 | 65.4 | <50.0 | 65.4 | 65.4 | 253 |
| Excavation Soil Samples | | | | | | | | | | |
| FS01 | 01/13/2023 | 2 | <0.00200 | <0.00401 | <49.9 | 150 | <49.9 | 150 | 150 | 2,140 |
| FS02 | 01/13/2023 | 2 | <0.00199 | 0.00514 | <50.0 | 214 | 51.6 | 214 | 266 | 1,390 |
| FS03 | 01/13/2023 | 2 | <0.00199 | <0.00398 | <49.9 | 64 | <49.9 | 64.0 | 64.0 | 4,110 |
| FS04 | 01/13/2023 | 2 | <0.00200 | <0.00399 | <49.9 | 73 | <49.9 | 73.0 | 73.0 | 3,810 |
| FS05 | 01/13/2023 | 2 | <0.00201 | <0.00402 | <50.0 | 97 | <50.0 | 97.0 | 97.0 | 3,810 |
| FS06 | 01/13/2023 | 2 | <0.00202 | <0.00404 | <50.0 | 118 | <50.0 | 118 | 118 | 2,380 |
| FS07 | 01/13/2023 | 2 | <0.00199 | <0.00398 | <49.9 | 191 | <49.9 | 191 | 191 | 1,960 |
| SW01 | 01/13/2023 | 0-2 | <0.00199 | <0.00398 | <49.9 | 119 | <49.9 | 119 | 119 | 1,200 |
| SW02 | 01/13/2023 | 0-2 | <0.00200 | <0.00399 | <50.0 | 101 | <50.0 | 101 | 101 | 3,580 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

| | | | | | | | | |
|---|---|------------------------------|---|---|---|--|--------------------------------------|--------------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NO. (WELL NO.) POD1 (BH-01) | | WELL TAG ID NO. n/a | | OSE FILE NO(S). C-4498 | | | |
| | WELL OWNER NAME(S) XTO Energy (Kyle Littrell) | | | | PHONE (OPTIONAL) | | | |
| | WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr. | | | | CITY Midland | STATE TX | ZIP 79707 | |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32° | MINUTES 6' | SECONDS 1.96" N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | | |
| | | LONGITUDE -103° | 50' | 26.19" W | * DATUM REQUIRED: WGS 84 | | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW SW NE Sec. 25 T25S R30E | | | | | | | | |
| 2. DRILLING & CASING INFORMATION | LICENSE NO. 1249 | | NAME OF LICENSED DRILLER Jackie D. Atkins | | | NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc. | | |
| | DRILLING STARTED 02/24/2021 | DRILLING ENDED 02/24/2021 | DEPTH OF COMPLETED WELL (FT) temporary well material | | BORE HOLE DEPTH (FT) 109 | DEPTH WATER FIRST ENCOUNTERED (FT) n/a | | |
| | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) | | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a | | |
| | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: | | | | | | | |
| | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger | | | | | | | |
| | 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) | SLOT SIZE (inches) |
| | FROM | TO | | | | | | |
| | 0 | 109 | ±6.5 | Boring- HSA | -- | -- | -- | -- |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| 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 | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
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FOR OSE INTERNAL USE

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

| | | |
|-------------------------------|--------------------|----------------|
| FILE NO. C- 4498 | POD NO. 1 | TRN NO. 682528 |
| LOCATION 132 T25S R30E Sec 25 | WELL TAG ID NO. NA | PAGE 1 OF 2 |

| | DEPTH (feet bgl) | | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units) | WATER BEARING? (YES / NO) | ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm) | |
|------------------------------|---|---|---------------------|--|--------------------------------------|--|------|
| | FROM | TO | | | | | |
| 4. HYDROGEOLOGIC LOG OF WELL | 0 | 34 | 34 | Caliche, tan, no odor, no stain, gravel, dry | Y ✓ N | | |
| | 34 | 40 | 6 | sand/ caliche, tan, no odor, no stain, m-f grain, well sorted, dry | Y ✓ N | | |
| | 40 | 56 | 16 | sand, tan, no odor, no stain, m-f grain, well sorted, dry | Y ✓ N | | |
| | 56 | 72 | 16 | sandstone, low consolidation, tan, no odor, no stain, m-f grain, well sorted, dry | Y ✓ N | | |
| | 72 | 79 | 7 | sand, tan, no odor, no stain, m-f grain, well sorted, dry | Y ✓ N | | |
| | 79 | 109 | 30 | sandstone, low - medium consolidation, tan, no odor, m-f grained, well sorted, m | Y ✓ N | | |
| | | | | | Y N | | |
| | | | | | Y N | | |
| | | | | | Y N | | |
| | | | | | Y N | | |
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| | | | | | Y N | | |
| | | | | | Y N | | |
| | | | | | Y N | | |
| | | | | | Y N | | |
| | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: | | | | TOTAL ESTIMATED WELL YIELD (gpm): | | 0.00 |
| | <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: | | | | | | |
| 5. TEST; RIG SUPERVISION | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. | | | | | |
| | MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist. | | | | | | |
| | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge | | | | | | |
| 6. SIGNATURE | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: | | | | | | |
| |  | | | Jackie D. Atkins | | 03/11/2021 | |
| | SIGNATURE OF DRILLER / PRINT SIGNEE NAME | | | DATE | | | |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

| | | |
|-------------------------------|--------------------|----------------|
| FILE NO. C-4498 | POD NO. 1 | TRN NO. 682528 |
| LOCATION 132 T255 R30E Sec 25 | WELL TAG ID NO. NA | PAGE 2 OF 2 |

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 682528
File Nbr: C 04498
Well File Nbr: C 04498 POD1

Mar. 11, 2021

TACOMA MORRISEY
WSP USA
3300 NORTH A STREET
BLDG 1 #222
MIDLAND, TX 79705

Greetings:

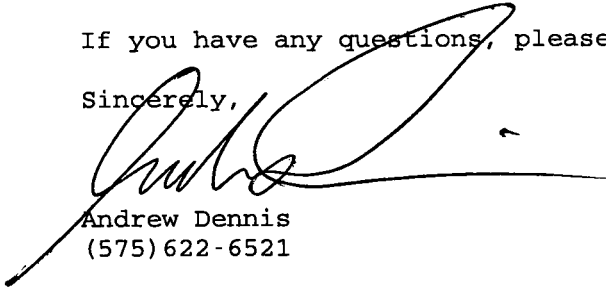
The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 03/11/2021, stating that it had been completed on 02/24/2021, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Sincerely,


Andrew Dennis
(575) 622-6521

drywell



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc
 PLU 25 Brushy Draw 901H
 NAPP2232537823



Photograph 1 Date: 1/06/2023

Description: Initial release extent

View: North



Photograph 2 Date: 1/12/2023

Description: Flagged lines running underneath release

View: North



Photograph 3 Date: 1/12/2023

Description: Excavation; trenches for line spotting

View: North



Photograph 4 Date: 1/13/2023

Description: Completed excavation with berm

View: North



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/13/2023 12:07:49 PM

JOB DESCRIPTION

PLU 25 Brushy Draw 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3775-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/13/2023 12:07:49 PM

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

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Laboratory Job ID: 890-3775-1
SDG: 03C1558155

Table of Contents

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Qualifiers

GC VOA

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

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD 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. |
|----------------|---|
| 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: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Job ID: 890-3775-1

Laboratory: Eurofins Carlsbad

| Narrative | |
|-----------|-----------------------------|
| | Job Narrative 890-3775-1 |

Receipt

The samples were received on 1/6/2023 1:17 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3775-1), SS02 (890-3775-2) and SS03 (890-3775-3).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-3775-1), SS02 (890-3775-2), SS03 (890-3775-3) and (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Client Sample ID: SS01

Lab Sample ID: 890-3775-1

Date Collected: 01/06/23 10:35

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| Ethylbenzene | 0.00826 | | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 | | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |
| 1,4-Difluorobenzene (Surr) | 89 | | 70 - 130 | | | 01/09/23 11:16 | 01/10/23 20:11 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00826 | | 0.00400 | mg/Kg | | | 01/11/23 10:30 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 7700 | | 49.9 | mg/Kg | | | 01/13/23 12:46 | 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 | 245 | | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:07 | 1 |
| Diesel Range Organics (Over C10-C28) | 7450 | *1 | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:07 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 106 | | 70 - 130 | | | 01/11/23 09:47 | 01/13/23 04:07 | 1 |
| o-Terphenyl | 185 | S1+ | 70 - 130 | | | 01/11/23 09:47 | 01/13/23 04:07 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 10000 | | 49.8 | mg/Kg | | | 01/10/23 14:47 | 10 |

Client Sample ID: SS02

Lab Sample ID: 890-3775-2

Date Collected: 01/06/23 10:40

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| Ethylbenzene | 0.00480 | | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| m-Xylene & p-Xylene | 0.0116 | | 0.00399 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| Xylenes, Total | 0.0116 | | 0.00399 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82 | | 70 - 130 | | | 01/09/23 11:16 | 01/10/23 20:32 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Client Sample ID: SS02

Lab Sample ID: 890-3775-2

Date Collected: 01/06/23 10:40

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 75 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 20:32 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.0164 | | 0.00399 | mg/Kg | | | 01/11/23 10:30 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-----|-------|---|----------|----------------|---------|
| Total TPH | 16000 | | 249 | mg/Kg | | | 01/13/23 12:46 | 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 | 451 | | 249 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:29 | 5 |
| Diesel Range Organics (Over C10-C28) | 15500 | *1 | 249 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:29 | 5 |
| Oil Range Organics (Over C28-C36) | <249 | U | 249 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:29 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 73 | | 70 - 130 | | | 01/11/23 09:47 | 01/13/23 04:29 | 5 |
| o-Terphenyl | 399 | S1+ | 70 - 130 | | | 01/11/23 09:47 | 01/13/23 04:29 | 5 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12400 | | 99.0 | mg/Kg | | | 01/10/23 14:52 | 20 |

Client Sample ID: SS03

Lab Sample ID: 890-3775-3

Date Collected: 01/06/23 10:45

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 01/09/23 11:16 | 01/10/23 20:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 20:52 | 1 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 20:52 | 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 | | | 01/11/23 10:30 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-----|-------|---|----------|----------------|---------|
| Total TPH | 9230 | | 250 | mg/Kg | | | 01/13/23 12:46 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Client Sample ID: SS03

Lab Sample ID: 890-3775-3

Date Collected: 01/06/23 10:45

Matrix: Solid

Date Received: 01/06/23 13:17

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 | 1230 | | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:52 | 1 |
| Diesel Range Organics (Over C10-C28) | 8000 | *1 | 250 | mg/Kg | | 01/11/23 09:47 | 01/13/23 07:05 | 5 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/13/23 04:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 95 | | 70 - 130 | 01/11/23 09:47 | 01/13/23 04:52 | 1 |
| 1-Chlorooctane | 86 | | 70 - 130 | 01/11/23 09:47 | 01/13/23 07:05 | 5 |
| o-Terphenyl | 193 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/13/23 04:52 | 1 |
| o-Terphenyl | 201 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/13/23 07:05 | 5 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 8990 | | 50.0 | mg/Kg | | | 01/10/23 14:57 | 10 |

Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-23405-A-1-A MS | Matrix Spike | 112 | 99 |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | 102 | 107 |
| 890-3775-1 | SS01 | 92 | 89 |
| 890-3775-2 | SS02 | 82 | 75 |
| 890-3775-3 | SS03 | 103 | 104 |
| LCS 880-43514/1-A | Lab Control Sample | 104 | 109 |
| LCSD 880-43514/2-A | Lab Control Sample Dup | 103 | 106 |
| MB 880-43514/5-A | Method Blank | 100 | 105 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3775-1 | SS01 | 106 | 185 S1+ |
| 890-3775-2 | SS02 | 73 | 399 S1+ |
| 890-3775-3 | SS03 | 95 | 193 S1+ |
| 890-3775-3 | SS03 | 86 | 201 S1+ |
| 890-3781-A-21-D MS | Matrix Spike | 87 | 82 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | 105 | 94 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43514/5-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 12:50 | 1 |

Lab Sample ID: LCS 880-43514/1-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1049 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09799 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2008 | | mg/Kg | | 100 | 70 - 130 |
| o-Xylene | 0.100 | 0.09693 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: LCSD 880-43514/2-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.1036 | | mg/Kg | | 104 | 70 - 130 | 1 | 35 |
| Toluene | 0.100 | 0.09817 | | mg/Kg | | 98 | 70 - 130 | 3 | 35 |
| Ethylbenzene | 0.100 | 0.09733 | | mg/Kg | | 97 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2012 | | mg/Kg | | 101 | 70 - 130 | 0 | 35 |
| o-Xylene | 0.100 | 0.09640 | | mg/Kg | | 96 | 70 - 130 | 1 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: 880-23405-A-1-A MS

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00202 | U F1 | 0.0996 | 0.06305 | F1 | mg/Kg | | 63 | 70 - 130 |
| Toluene | <0.00202 | U F1 | 0.0996 | 0.06776 | F1 | mg/Kg | | 68 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

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

Lab Sample ID: 880-23405-A-1-A MS

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00202 | U | 0.0996 | 0.07235 | | mg/Kg | | 73 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.199 | 0.1515 | | mg/Kg | | 76 | 70 - 130 |
| o-Xylene | <0.00202 | U | 0.0996 | 0.07547 | | mg/Kg | | 75 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: 880-23405-A-1-B MSD

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00202 | U F1 | 0.0990 | 0.07917 | | mg/Kg | | 80 | 70 - 130 | 23 | 35 |
| Toluene | <0.00202 | U F1 | 0.0990 | 0.07562 | | mg/Kg | | 76 | 70 - 130 | 11 | 35 |
| Ethylbenzene | <0.00202 | U | 0.0990 | 0.07569 | | mg/Kg | | 76 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.198 | 0.1576 | | mg/Kg | | 80 | 70 - 130 | 4 | 35 |
| o-Xylene | <0.00202 | U | 0.0990 | 0.07736 | | mg/Kg | | 78 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

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

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 82 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

| 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 | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 105 | | 70 - 130 |
| o-Terphenyl | 94 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43541/1-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/10/23 12:53 | 1 |

Lab Sample ID: LCS 880-43541/2-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 249.6 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: LCSD 880-43541/3-A

Matrix: Solid

Analysis Batch: 43614

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 | 249.7 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3774-A-2-C MS

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 825.5 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 890-3774-A-2-D MSD

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 799.5 | | mg/Kg | | 100 | 90 - 110 | 3 | 20 |

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

GC VOA

Prep Batch: 43514

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | 5035 | |
| 890-3775-2 | SS02 | Total/NA | Solid | 5035 | |
| 890-3775-3 | SS03 | Total/NA | Solid | 5035 | |
| MB 880-43514/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43514/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43514/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23405-A-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43599

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | 8021B | 43514 |
| 890-3775-2 | SS02 | Total/NA | Solid | 8021B | 43514 |
| 890-3775-3 | SS03 | Total/NA | Solid | 8021B | 43514 |
| MB 880-43514/5-A | Method Blank | Total/NA | Solid | 8021B | 43514 |
| LCS 880-43514/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43514 |
| LCSD 880-43514/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43514 |
| 880-23405-A-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 43514 |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43514 |

Analysis Batch: 43727

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | Total BTEX | |
| 890-3775-2 | SS02 | Total/NA | Solid | Total BTEX | |
| 890-3775-3 | SS03 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| 890-3775-2 | SS02 | Total/NA | Solid | 8015NM Prep | |
| 890-3775-3 | SS03 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | 8015B NM | 43713 |
| 890-3775-2 | SS02 | Total/NA | Solid | 8015B NM | 43713 |
| 890-3775-3 | SS03 | Total/NA | Solid | 8015B NM | 43713 |
| 890-3775-3 | SS03 | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43713 |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

GC Semi VOA

Analysis Batch: 43897

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3775-1 | SS01 | Total/NA | Solid | 8015 NM | |
| 890-3775-2 | SS02 | Total/NA | Solid | 8015 NM | |
| 890-3775-3 | SS03 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3775-1 | SS01 | Soluble | Solid | DI Leach | |
| 890-3775-2 | SS02 | Soluble | Solid | DI Leach | |
| 890-3775-3 | SS03 | Soluble | Solid | DI Leach | |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3775-1 | SS01 | Soluble | Solid | 300.0 | 43541 |
| 890-3775-2 | SS02 | Soluble | Solid | 300.0 | 43541 |
| 890-3775-3 | SS03 | Soluble | Solid | 300.0 | 43541 |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | 300.0 | 43541 |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43541 |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43541 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Client Sample ID: SS01

Lab Sample ID: 890-3775-1

Date Collected: 01/06/23 10:35

Matrix: Solid

Date Received: 01/06/23 13:17

| 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 | 43514 | 01/09/23 11:16 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43599 | 01/10/23 20:11 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43727 | 01/11/23 10:30 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43897 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/13/23 04:07 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 43614 | 01/10/23 14:47 | CH | EET MID |

Client Sample ID: SS02

Lab Sample ID: 890-3775-2

Date Collected: 01/06/23 10:40

Matrix: Solid

Date Received: 01/06/23 13:17

| 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 | 43514 | 01/09/23 11:16 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43599 | 01/10/23 20:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43727 | 01/11/23 10:30 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43897 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 43779 | 01/13/23 04:29 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 20 | | | 43614 | 01/10/23 14:52 | CH | EET MID |

Client Sample ID: SS03

Lab Sample ID: 890-3775-3

Date Collected: 01/06/23 10:45

Matrix: Solid

Date Received: 01/06/23 13:17

| 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 | 43514 | 01/09/23 11:16 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43599 | 01/10/23 20:52 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43727 | 01/11/23 10:30 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43897 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/13/23 04:52 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 43779 | 01/13/23 07:05 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 43614 | 01/10/23 14:57 | CH | EET MID |

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3775-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3775-1 | SS01 | Solid | 01/06/23 10:35 | 01/06/23 13:17 | 0.5' |
| 890-3775-2 | SS02 | Solid | 01/06/23 10:40 | 01/06/23 13:17 | 0.5' |
| 890-3775-3 | SS03 | Solid | 01/06/23 10:45 | 01/06/23 13:17 | 0.5' |

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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) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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| | | | |
|------------------|----------------------|-------------------------|------------------------|
| Project Manager: | Takana Morrissey | Bill to: (if different) | Garrett Green |
| Company Name: | Ensolem, LLC | Company Name: | XTO Energy, Inc. |
| Address: | 3122 Nat'l Parks Hwy | Address: | 3104 E Greene St |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337.257.8307 | Email: | tmorrissey@ensolem.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: _____ |

[illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|----------------|--------|-------|-------|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total | 200.7 / 6010 | 200.8 / 6020: | 8RCRCA | 13PPM | Texas | 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO ₂ | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) | and Metal(s) | to be analyzed | TCCLP | /SPLP | 6010 | : | 8RCRCA | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U | | | | | | | | | | | |
| <p>Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xerco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xerco 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 Xerco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xerco but not analyzed. These terms will be enforced unless previously negotiated.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Hg: 1631 / 245.1 / 7470 / 7471</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>Pharis</i> | <i>Areola Stuf</i> | 11/6/23 1327 | | | |
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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3775-1

SDG Number: 03C1558155

Login Number: 3775

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3775-1

SDG Number: 03C1558155

Login Number: 3775

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 AM

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



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ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/13/2023 12:07:49 PM

JOB DESCRIPTION

PLU 25 Brushy Draw 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3776-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/13/2023 12:07:49 PM

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

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Laboratory Job ID: 890-3776-1
SDG: 03C1558155

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Qualifiers

GC VOA

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

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD 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: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Job ID: 890-3776-1

Laboratory: Eurofins Carlsbad

| Narrative | |
|-----------|-----------------------------|
| | Job Narrative 890-3776-1 |

Receipt

The sample was received on 1/6/2023 1:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS06 (890-3776-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Client Sample ID: SS06

Lab Sample ID: 890-3776-1

Date Collected: 01/06/23 10:15

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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 | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:32 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:32 | 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 | | | 01/11/23 13:19 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 63.2 | | 49.9 | mg/Kg | | | 01/13/23 12:46 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:59 | 1 |
| Diesel Range Organics (Over C10-C28) | 63.2 | *1 | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:59 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 22:59 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 94 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 22:59 | 1 |
| o-Terphenyl | 92 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 22:59 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 549 | | 4.99 | mg/Kg | | | 01/10/23 15:02 | 1 |

Eurofins Carlsbad

Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

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

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 890-3776-1 | SS06 | 117 | 94 |
| 890-3776-1 MS | SS06 | 99 | 98 |
| 890-3776-1 MSD | SS06 | 91 | 101 |
| LCS 880-43675/1-A | Lab Control Sample | 89 | 104 |
| LCSD 880-43675/2-A | Lab Control Sample Dup | 92 | 101 |
| MB 880-43675/5-A | Method Blank | 86 | 94 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|----------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3776-1 | SS06 | 94 | 92 |
| 890-3781-A-21-D MS | Matrix Spike | 87 | 82 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | 105 | 94 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43675/5-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

Lab Sample ID: LCS 880-43675/1-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene | 0.100 | 0.1055 | | mg/Kg | | 106 | 70 - 130 |
| Toluene | 0.100 | 0.1010 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08629 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1771 | | mg/Kg | | 89 | 70 - 130 |
| o-Xylene | 0.100 | 0.1024 | | mg/Kg | | 102 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: LCSD 880-43675/2-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100 | 0.09843 | | mg/Kg | | 98 | 70 - 130 | 7 | 35 |
| Toluene | 0.100 | 0.09734 | | mg/Kg | | 97 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.08392 | | mg/Kg | | 84 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1750 | | mg/Kg | | 88 | 70 - 130 | 1 | 35 |
| o-Xylene | 0.100 | 0.09879 | | mg/Kg | | 99 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 890-3776-1 MS

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: SS06

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00198 | U | 0.0998 | 0.09320 | | mg/Kg | | 93 | 70 - 130 |
| Toluene | <0.00198 | U | 0.0998 | 0.09451 | | mg/Kg | | 95 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

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

Lab Sample ID: 890-3776-1 MS

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: SS06

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00198 | U | 0.0998 | 0.08225 | | mg/Kg | | 82 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.200 | 0.1716 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | <0.00198 | U | 0.0998 | 0.09664 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: 890-3776-1 MSD

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: SS06

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00198 | U | 0.101 | 0.09630 | | mg/Kg | | 96 | 70 - 130 | 3 | 35 |
| Toluene | <0.00198 | U | 0.101 | 0.09074 | | mg/Kg | | 90 | 70 - 130 | 4 | 35 |
| Ethylbenzene | <0.00198 | U | 0.101 | 0.07746 | | mg/Kg | | 77 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.202 | 0.1595 | | mg/Kg | | 79 | 70 - 130 | 7 | 35 |
| o-Xylene | <0.00198 | U | 0.101 | 0.08869 | | mg/Kg | | 88 | 70 - 130 | 9 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 91 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

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

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 82 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

| 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 | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 105 | | 70 - 130 |
| o-Terphenyl | 94 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43541/1-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/10/23 12:53 | 1 |

Lab Sample ID: LCS 880-43541/2-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 249.6 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: LCSD 880-43541/3-A

Matrix: Solid

Analysis Batch: 43614

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 | 249.7 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3774-A-2-C MS

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 825.5 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 890-3774-A-2-D MSD

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 799.5 | | mg/Kg | | 100 | 90 - 110 | 3 | 20 |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

GC VOA

Prep Batch: 43675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | 5035 | |
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43675/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43675/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3776-1 MS | SS06 | Total/NA | Solid | 5035 | |
| 890-3776-1 MSD | SS06 | Total/NA | Solid | 5035 | |

Analysis Batch: 43697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | 8021B | 43675 |
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 8021B | 43675 |
| LCS 880-43675/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43675 |
| LCSD 880-43675/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43675 |
| 890-3776-1 MS | SS06 | Total/NA | Solid | 8021B | 43675 |
| 890-3776-1 MSD | SS06 | Total/NA | Solid | 8021B | 43675 |

Analysis Batch: 43741

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43713 |

Analysis Batch: 43892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3776-1 | SS06 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3776-1 | SS06 | Soluble | Solid | DI Leach | |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

HPLC/IC (Continued)

Leach Batch: 43541 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3776-1 | SS06 | Soluble | Solid | 300.0 | 43541 |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | 300.0 | 43541 |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43541 |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43541 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Client Sample ID: SS06
Date Collected: 01/06/23 10:15
Date Received: 01/06/23 13:17

Lab Sample ID: 890-3776-1
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 | 43675 | 01/10/23 15:19 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43697 | 01/11/23 11:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43741 | 01/11/23 13:19 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43892 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 22:59 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43614 | 01/10/23 15:02 | 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: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3776-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3776-1 | SS06 | Solid | 01/06/23 10:15 | 01/06/23 13:17 | 0.5' |

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



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) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199


Chain of Custody

Work Order No:

Page 1 of 1
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| | | | |
|------------------|---------------------|-------------------------|------------------------|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Garrett Green |
| Company Name: | Ensoium, LLC | Company Name: | XTO Energy |
| Address: | 3122 Nat'l Pkwy Hwy | Address: | 3104 E Greene St |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337.257.8307 | Email: | tmorrissey@ensoium.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: _____ | |

| | | | | | | | | | | | | |
|---|---|------------------------|---|-----------------|---|---|------------|---|---|--------------------|----------------------------|--|
| ANALYSIS REQUEST | | | | | | | | | | Preservative Codes | | |
| Project Name: | PLU 25 Brushy Draw 90114 | | | | Turn Around | | | | None: NO | | DI Water: H ₂ O | |
| Project Number: | 03C1558155 | | | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | | | Cool: Cool | | MeOH: Me | |
| Project Location: | 32.10185 -103.84166 | | | | Due Date: | | | | HCL: HC | | HNO ₃ : HN | |
| Sampler's Name: | Meredith Roberts | | | | TAT starts the day received by the lab, if received by 4:30pm | | | | H ₂ SO ₄ : H ₂ | | NaOH: Na | |
| P.O. #: | | | | | | | | | H ₃ PO ₄ : HP | | | |
| SAMPLE RECEIPT | | Temp Blank: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID: | Wet Ice: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Parameters | | | | | |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Correction Factor: | 100-007 | | | | | | | | | |
| Cooler Custody Seals: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Temperature Reading: | -0.3 | | | | | | | | | |
| Sample Custody Seals: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Corrected Temperature: | 4.3 | | | | | | | | | |
| Total Containers: | | | 4.1 | | | | | | | | | |
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | | | | | | |
| SSOC | S | 1/6/23 | 10:15 | 0.5' | G | 1 | X | X | X | BTEX | | |
| | | | | | | | X | X | X | TPH | | |
| | | | | | | | X | X | X | Chlorides | | |
| | | | | | | | | | | PNE | | |
|  | | | | | | | | | | | | |
| 890-3776 Chain of Custody | | | | | | | | | | | | |
| Sample Comments | | | | | | | | | | | | |
| Incident #: | | | | | | | | | | | | |
| NAEP232537823 | | | | | | | | | | | | |
| Cost Center: | | | | | | | | | | | | |
| 166621001 | | | | | | | | | | | | |

| Total 200.7 / 6010 | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn |
|---|--------------------------|---|---|
| Circle Method(s) and Metal(s) to be analyzed | | TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |
| <p>Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and sub-contractors. 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.</p> | | | |
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) |
| <i>Heidi P</i> | <i>Aracela Sotif</i> | 1-6-23 13:17 | |
| 3 | | 4 | |
| 5 | | 6 | |
| <p>Generated Date: 08/25/2020 By: 2020.2</p> | | | |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3776-1

SDG Number: 03C1558155

Login Number: 3776

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3776-1

SDG Number: 03C1558155

Login Number: 3776

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 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: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/13/2023 12:08:19 PM

JOB DESCRIPTION

PLU 25 Brushy Draw 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3777-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.



Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/13/2023 12:08:19 PM

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

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Laboratory Job ID: 890-3777-1
SDG: 03C1558155

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Qualifiers

GC VOA

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

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD 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. |
|----------------|---|
| 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: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Job ID: 890-3777-1

Laboratory: Eurofins Carlsbad

| Narrative | |
|-----------|-----------------------------|
| | Job Narrative 890-3777-1 |

Receipt

The sample was received on 1/6/2023 1:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS05 (890-3777-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Client Sample ID: SS05

Lab Sample ID: 890-3777-1

Date Collected: 01/06/23 10:10

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/09/23 11:16 | 01/10/23 21:13 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 21:13 | 1 |
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 21:13 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/11/23 10:30 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 58.7 | | 49.9 | mg/Kg | | | 01/13/23 12:46 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:21 | 1 |
| Diesel Range Organics (Over C10-C28) | 58.7 | *1 | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:21 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 23:21 | 1 |
| o-Terphenyl | 88 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 23:21 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 670 | | 5.01 | mg/Kg | | | 01/10/23 15:06 | 1 |

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Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-23405-A-1-A MS | Matrix Spike | 112 | 99 |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | 102 | 107 |
| 890-3777-1 | SS05 | 112 | 108 |
| LCS 880-43514/1-A | Lab Control Sample | 104 | 109 |
| LCSD 880-43514/2-A | Lab Control Sample Dup | 103 | 106 |
| MB 880-43514/5-A | Method Blank | 100 | 105 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3777-1 | SS05 | 92 | 88 |
| 890-3781-A-21-D MS | Matrix Spike | 87 | 82 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | 105 | 94 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43514/5-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 11:16 | 01/10/23 12:50 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 12:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | 01/09/23 11:16 | 01/10/23 12:50 | 1 |

Lab Sample ID: LCS 880-43514/1-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1049 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09799 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2008 | | mg/Kg | | 100 | 70 - 130 |
| o-Xylene | 0.100 | 0.09693 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 |

Lab Sample ID: LCSD 880-43514/2-A

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.1036 | | mg/Kg | | 104 | 70 - 130 | 1 | 35 |
| Toluene | 0.100 | 0.09817 | | mg/Kg | | 98 | 70 - 130 | 3 | 35 |
| Ethylbenzene | 0.100 | 0.09733 | | mg/Kg | | 97 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2012 | | mg/Kg | | 101 | 70 - 130 | 0 | 35 |
| o-Xylene | 0.100 | 0.09640 | | mg/Kg | | 96 | 70 - 130 | 1 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: 880-23405-A-1-A MS

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00202 | U F1 | 0.0996 | 0.06305 | F1 | mg/Kg | | 63 | 70 - 130 |
| Toluene | <0.00202 | U F1 | 0.0996 | 0.06776 | F1 | mg/Kg | | 68 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

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

Lab Sample ID: 880-23405-A-1-A MS

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00202 | U | 0.0996 | 0.07235 | | mg/Kg | | 73 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.199 | 0.1515 | | mg/Kg | | 76 | 70 - 130 |
| o-Xylene | <0.00202 | U | 0.0996 | 0.07547 | | mg/Kg | | 75 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: 880-23405-A-1-B MSD

Matrix: Solid

Analysis Batch: 43599

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43514

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00202 | U F1 | 0.0990 | 0.07917 | | mg/Kg | | 80 | 70 - 130 | 23 | 35 |
| Toluene | <0.00202 | U F1 | 0.0990 | 0.07562 | | mg/Kg | | 76 | 70 - 130 | 11 | 35 |
| Ethylbenzene | <0.00202 | U | 0.0990 | 0.07569 | | mg/Kg | | 76 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.198 | 0.1576 | | mg/Kg | | 80 | 70 - 130 | 4 | 35 |
| o-Xylene | <0.00202 | U | 0.0990 | 0.07736 | | mg/Kg | | 78 | 70 - 130 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 |

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

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

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 82 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

| 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 | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 105 | | 70 - 130 |
| o-Terphenyl | 94 | | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43541/1-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/10/23 12:53 | 1 |

Lab Sample ID: LCS 880-43541/2-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 249.6 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: LCSD 880-43541/3-A

Matrix: Solid

Analysis Batch: 43614

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 | 249.7 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3774-A-2-C MS

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 825.5 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 890-3774-A-2-D MSD

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 799.5 | | mg/Kg | | 100 | 90 - 110 | 3 | 20 |

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

GC VOA

Prep Batch: 43514

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | 5035 | |
| MB 880-43514/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43514/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43514/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23405-A-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43599

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | 8021B | 43514 |
| MB 880-43514/5-A | Method Blank | Total/NA | Solid | 8021B | 43514 |
| LCS 880-43514/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43514 |
| LCSD 880-43514/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43514 |
| 880-23405-A-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 43514 |
| 880-23405-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43514 |

Analysis Batch: 43728

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43713 |

Analysis Batch: 43893

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3777-1 | SS05 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3777-1 | SS05 | Soluble | Solid | DI Leach | |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

HPLC/IC (Continued)

Leach Batch: 43541 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3777-1 | SS05 | Soluble | Solid | 300.0 | 43541 |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | 300.0 | 43541 |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43541 |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43541 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Client Sample ID: SS05
Date Collected: 01/06/23 10:10
Date Received: 01/06/23 13:17

Lab Sample ID: 890-3777-1
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 | 43514 | 01/09/23 11:16 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43599 | 01/10/23 21:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43728 | 01/11/23 10:30 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43893 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 23:21 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43614 | 01/10/23 15:06 | 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: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

- 1
- 2
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Method Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3777-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3777-1 | SS05 | Solid | 01/06/23 10:10 | 01/06/23 13:17 | 0.5' |

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Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

| | | | |
|------------------|---------------------|-------------------------|------------------------|
| Project Manager: | Tadana Morrissey | Bill to: (if different) | Garrett Green |
| Company Name: | Ensclum, LLC | Company Name: | XTO Energy |
| Address: | 3122 Nati Parks Hwy | Address: | 3104 E Greene St |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337.257.8307 | Email: | tmorrissey@ensclum.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: | PU 25 Bushy Draw 901H | Turn Around | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code | |
| Project Number: | 03C1558155 | Due Date: | | | |
| Project Location: | 32.10185 - 103.84166 | TAT starts the day received by the lab, if received by 4:30pm | | | |
| Sampler's Name: | Meredith Roberts | | | | |
| P.O. #: | | | | | |
| SAMPLE RECEIPT | | Temp Blank: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Wet/Sec: | <input checked="" type="checkbox"/> Wet <input type="checkbox"/> No |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID: | | | |
| Cooler Custody Seals: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Correction Factor: | | | |
| Sample Custody Seals: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Temperature Reading: | | | |
| Total Containers: | | Corrected Temperature: | | | |
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp |
| SS05 | S | 1/6/23 | 1010 | 0.5' G | 1 |
| Parameters | | | | | |
| BTEx | | | | | |
| TPH | | | | | |
| Chlorides | | | | | |
| Incident #: APP2232537823 | | | | | |
| Sample Comments | | | | | |
| East Center: 1666 21001 | | | | | |



890-3777 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

| | | | | | |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. <i>MARCO</i> | <i>Amanda Step</i> | 1-6-23 1317 | | | |
| 3 | | 4 | | | |
| 5 | | 6 | | | |

Revised Date: 08/23/2020 Rev: 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3777-1

SDG Number: 03C1558155

Login Number: 3777

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3777-1

SDG Number: 03C1558155

Login Number: 3777

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 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: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/13/2023 12:08:50 PM

JOB DESCRIPTION

PLU 25 Brushy Draw 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3778-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/13/2023 12:08:50 PM

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

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Laboratory Job ID: 890-3778-1
SDG: 03C1558155

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Qualifiers

GC VOA

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

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD 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. |
|----------------|---|
| 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: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Job ID: 890-3778-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3778-1

Receipt

The sample was received on 1/6/2023 1:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS04 (890-3778-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS04 (890-3778-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Client Sample ID: SS04

Lab Sample ID: 890-3778-1

Date Collected: 01/06/23 10:05

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 01/10/23 15:19 | 01/11/23 19:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 77 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 19:04 | 1 |
| 1,4-Difluorobenzene (Surr) | 69 | S1- | 70 - 130 | 01/10/23 15:19 | 01/11/23 19:04 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/12/23 13:07 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/13/23 12:46 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *1 | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:42 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/11/23 09:47 | 01/12/23 23:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 108 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 23:42 | 1 |
| o-Terphenyl | 101 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 23:42 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 321 | | 4.97 | mg/Kg | | | 01/10/23 15:11 | 1 |

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Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 890-3776-A-1-C MS | Matrix Spike | 99 | 98 |
| 890-3776-A-1-D MSD | Matrix Spike Duplicate | 91 | 101 |
| 890-3778-1 | SS04 | 77 | 69 S1- |
| LCS 880-43675/1-A | Lab Control Sample | 89 | 104 |
| LCSD 880-43675/2-A | Lab Control Sample Dup | 92 | 101 |
| MB 880-43675/5-A | Method Blank | 86 | 94 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3778-1 | SS04 | 108 | 101 |
| 890-3781-A-21-D MS | Matrix Spike | 87 | 82 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | 105 | 94 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43675/5-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:10 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | 01/10/23 15:19 | 01/11/23 11:10 | 1 |

Lab Sample ID: LCS 880-43675/1-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1055 | | mg/Kg | | 106 | 70 - 130 |
| Toluene | 0.100 | 0.1010 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08629 | | mg/Kg | | 86 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1771 | | mg/Kg | | 89 | 70 - 130 |
| o-Xylene | 0.100 | 0.1024 | | mg/Kg | | 102 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: LCSD 880-43675/2-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.09843 | | mg/Kg | | 98 | 70 - 130 | 7 | 35 |
| Toluene | 0.100 | 0.09734 | | mg/Kg | | 97 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.08392 | | mg/Kg | | 84 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1750 | | mg/Kg | | 88 | 70 - 130 | 1 | 35 |
| o-Xylene | 0.100 | 0.09879 | | mg/Kg | | 99 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 890-3776-A-1-C MS

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00198 | U | 0.0998 | 0.09320 | | mg/Kg | | 93 | 70 - 130 |
| Toluene | <0.00198 | U | 0.0998 | 0.09451 | | mg/Kg | | 95 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

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

Lab Sample ID: 890-3776-A-1-C MS

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00198 | U | 0.0998 | 0.08225 | | mg/Kg | | 82 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.200 | 0.1716 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | <0.00198 | U | 0.0998 | 0.09664 | | mg/Kg | | 97 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: 890-3776-A-1-D MSD

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43675

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00198 | U | 0.101 | 0.09630 | | mg/Kg | | 96 | 70 - 130 | 3 | 35 |
| Toluene | <0.00198 | U | 0.101 | 0.09074 | | mg/Kg | | 90 | 70 - 130 | 4 | 35 |
| Ethylbenzene | <0.00198 | U | 0.101 | 0.07746 | | mg/Kg | | 77 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.202 | 0.1595 | | mg/Kg | | 79 | 70 - 130 | 7 | 35 |
| o-Xylene | <0.00198 | U | 0.101 | 0.08869 | | mg/Kg | | 88 | 70 - 130 | 9 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 91 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

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

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 87 | | 70 - 130 |
| o-Terphenyl | 82 | | 70 - 130 |

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

| 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 | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 105 | | 70 - 130 |
| o-Terphenyl | 94 | | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43541/1-A
Matrix: Solid
Analysis Batch: 43614

Client Sample ID: Method Blank
Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/10/23 12:53 | 1 |

Lab Sample ID: LCS 880-43541/2-A
Matrix: Solid
Analysis Batch: 43614

Client Sample ID: Lab Control Sample
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 249.6 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: LCSD 880-43541/3-A
Matrix: Solid
Analysis Batch: 43614

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 | 249.7 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3774-A-2-C MS
Matrix: Solid
Analysis Batch: 43614

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 | 550 | | 250 | 825.5 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 890-3774-A-2-D MSD
Matrix: Solid
Analysis Batch: 43614

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 | 550 | | 250 | 799.5 | | mg/Kg | | 100 | 90 - 110 | 3 | 20 |

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

GC VOA

Prep Batch: 43675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | 5035 | |
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43675/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43675/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3776-A-1-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-3776-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 43697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | 8021B | 43675 |
| MB 880-43675/5-A | Method Blank | Total/NA | Solid | 8021B | 43675 |
| LCS 880-43675/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43675 |
| LCSD 880-43675/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43675 |
| 890-3776-A-1-C MS | Matrix Spike | Total/NA | Solid | 8021B | 43675 |
| 890-3776-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43675 |

Analysis Batch: 43813

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43713 |

Analysis Batch: 43894

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3778-1 | SS04 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 43541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3778-1 | SS04 | Soluble | Solid | DI Leach | |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

HPLC/IC (Continued)

Leach Batch: 43541 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3778-1 | SS04 | Soluble | Solid | 300.0 | 43541 |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | 300.0 | 43541 |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43541 |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43541 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Client Sample ID: SS04
Date Collected: 01/06/23 10:05
Date Received: 01/06/23 13:17

Lab Sample ID: 890-3778-1
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 43675 | 01/10/23 15:19 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43697 | 01/11/23 19:04 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43813 | 01/12/23 13:07 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43894 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/12/23 23:42 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43614 | 01/10/23 15:11 | 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: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

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Method Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3778-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3778-1 | SS04 | Solid | 01/06/23 10:05 | 01/06/23 13:17 | 0.5' |

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Environment Testing
Xenoco

Houston, TX (281) 240-4200, Dallas, TX (214) 992-0300
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

Chain of Custody

Work Order No:

Page 1 of 4
www.xenco.com

| | | | |
|------------------|----------------------|-------------------------|-------------------------|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Garnett Green |
| Company Name: | Enselium, LLC | Company Name: | XTO Energy |
| Address: | 3122 Nat'l Parks Hwy | Address: | 3104 E Greene St |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337.257.8307 | Email: | tmorrissey@enselium.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: _____ | |

[illegible][illegible]

Eurofins Xeno. A minimum charge of \$6500 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

| Total 200.7 / 6010 | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al 5b As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn |
|--|--------------------------|---|---|
| Circle Method(s) and Metal(s) to be analyzed | | TCLP / SPLP 6010 : 8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |
| <p>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 \$65.00 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.</p> | | | |
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) |
| 1 <i>Sheep</i> | <i>Sheep</i> | 1-10-23 1317 | |
| 3 | | 4 | |
| 5 | | 6 | |
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3778-1

SDG Number: 03C1558155

Login Number: 3778

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3778-1

SDG Number: 03C1558155

Login Number: 3778

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 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: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/13/2023 12:08:49 PM

JOB DESCRIPTION

PLU 25 Brushy Draw 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3779-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/13/2023 12:08:49 PM

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

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Laboratory Job ID: 890-3779-1
SDG: 03C1558155

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Qualifiers

GC VOA

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

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *1 | LCS/LCSD RPD 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. |
|----------------|---|
| 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: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Job ID: 890-3779-1

Laboratory: Eurofins Carlsbad

| Narrative | |
|-----------------------------|--|
| Job Narrative 890-3779-1 | |

Receipt

The sample was received on 1/6/2023 1:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS07 (890-3779-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS07 (890-3779-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Client Sample ID: SS07

Lab Sample ID: 890-3779-1

Date Collected: 01/06/23 10:20

Matrix: Solid

Date Received: 01/06/23 13:17

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 01/10/23 10:59 | 01/13/23 03:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 70 - 130 | 01/10/23 10:59 | 01/13/23 03:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 65 | S1- | 70 - 130 | 01/10/23 10:59 | 01/13/23 03:25 | 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 | | | 01/13/23 08:07 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 65.4 | | 50.0 | mg/Kg | | | 01/13/23 12:46 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/13/23 00:04 | 1 |
| Diesel Range Organics (Over C10-C28) | 65.4 | *1 | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/13/23 00:04 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/13/23 00:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96 | | 70 - 130 | 01/11/23 09:47 | 01/13/23 00:04 | 1 |
| o-Terphenyl | 92 | | 70 - 130 | 01/11/23 09:47 | 01/13/23 00:04 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 253 | | 4.98 | mg/Kg | | | 01/10/23 15:16 | 1 |

Eurofins Carlsbad

Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
|--------------------|------------------------|------------------|-------------------|
| 890-3772-A-1-A MS | Matrix Spike | 116 | 89 |
| 890-3772-A-1-B MSD | Matrix Spike Duplicate | 123 | 98 |
| 890-3779-1 | SS07 | 86 | 65 S1- |
| LCS 880-43511/1-A | Lab Control Sample | 110 | 100 |
| LCSD 880-43511/2-A | Lab Control Sample Dup | 93 | 106 |
| MB 880-43511/5-A | Method Blank | 85 | 87 |
| MB 880-43542/5-A | Method Blank | 76 | 84 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
|---------------------|------------------------|------------------|-------------------|
| 890-3779-1 | SS07 | 96 | 92 |
| 890-3781-A-21-D MS | Matrix Spike | 87 | 82 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | 105 | 94 |
| LCS 880-43713/2-A | Lab Control Sample | 125 | 108 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | 101 | 85 |
| MB 880-43713/1-A | Method Blank | 140 S1+ | 123 |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43511/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 10:59 | 01/12/23 21:55 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85 | | 70 - 130 | 01/09/23 10:59 | 01/12/23 21:55 | 1 |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 | 01/09/23 10:59 | 01/12/23 21:55 | 1 |

Lab Sample ID: LCS 880-43511/1-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.1002 | | mg/Kg | | 100 | 70 - 130 |
| Toluene | 0.100 | 0.1035 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09783 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2107 | | mg/Kg | | 105 | 70 - 130 |
| o-Xylene | 0.100 | 0.1169 | | mg/Kg | | 117 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCSD 880-43511/2-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.09524 | | mg/Kg | | 95 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.09086 | | mg/Kg | | 91 | 70 - 130 | 13 | 35 |
| Ethylbenzene | 0.100 | 0.07835 | | mg/Kg | | 78 | 70 - 130 | 22 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1642 | | mg/Kg | | 82 | 70 - 130 | 25 | 35 |
| o-Xylene | 0.100 | 0.09047 | | mg/Kg | | 90 | 70 - 130 | 25 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 93 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: 890-3772-A-1-A MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | 0.00565 | | 0.0990 | 0.08747 | | mg/Kg | | 83 | 70 - 130 |
| Toluene | 0.00255 | | 0.0990 | 0.08936 | | mg/Kg | | 88 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

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

Lab Sample ID: 890-3772-A-1-A MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00202 | U | 0.0990 | 0.07712 | | mg/Kg | | 76 | 70 - 130 |
| m-Xylene & p-Xylene | 0.00520 | | 0.198 | 0.1746 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | 0.00475 | | 0.0990 | 0.1009 | | mg/Kg | | 97 | 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: 890-3772-A-1-B MSD

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43511

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.00565 | | 0.0998 | 0.09758 | | mg/Kg | | 92 | 70 - 130 | 11 | 35 |
| Toluene | 0.00255 | | 0.0998 | 0.09709 | | mg/Kg | | 95 | 70 - 130 | 8 | 35 |
| Ethylbenzene | <0.00202 | U | 0.0998 | 0.08848 | | mg/Kg | | 87 | 70 - 130 | 14 | 35 |
| m-Xylene & p-Xylene | 0.00520 | | 0.200 | 0.1972 | | mg/Kg | | 96 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.00475 | | 0.0998 | 0.1134 | | mg/Kg | | 109 | 70 - 130 | 12 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | MSD Limits |
|-----------------------------|---------------|---------------|------------|
| 4-Bromofluorobenzene (Surr) | 123 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: MB 880-43542/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43542

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/09/23 12:55 | 01/12/23 11:20 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|-----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 76 | | 70 - 130 | 01/09/23 12:55 | 01/12/23 11:20 | 1 |
| 1,4-Difluorobenzene (Surr) | 84 | | 70 - 130 | 01/09/23 12:55 | 01/12/23 11:20 | 1 |

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

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

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 140 | S1+ | 70 - 130 | | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |
| o-Terphenyl | 123 | | 70 - 130 | | | 01/11/23 09:47 | 01/12/23 19:44 | 1 |

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1063 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1036 | | mg/Kg | | 104 | 70 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 1-Chlorooctane | 125 | | 70 - 130 | | | | |
| o-Terphenyl | 108 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 978.4 | | mg/Kg | | 98 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 766.4 | *1 | mg/Kg | | 77 | 70 - 130 | 30 | 20 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 101 | | 70 - 130 | | | | | | |
| o-Terphenyl | 85 | | 70 - 130 | | | | | | |

Lab Sample ID: 890-3781-A-21-D MS

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43713

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 927.5 | | mg/Kg | | 89 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 998 | 862.9 | | mg/Kg | | 86 | 70 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 87 | | 70 - 130 | | | | | | |
| o-Terphenyl | 82 | | 70 - 130 | | | | | | |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

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

Lab Sample ID: 890-3781-A-21-E MSD

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43713

| 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 | 997 | 1064 | | mg/Kg | | 103 | 70 - 130 | 14 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 997 | 993.4 | | mg/Kg | | 100 | 70 - 130 | 14 | 20 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 105 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 94 | | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43541/1-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/10/23 12:53 | 1 |

Lab Sample ID: LCS 880-43541/2-A

Matrix: Solid

Analysis Batch: 43614

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250 | 249.6 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: LCSD 880-43541/3-A

Matrix: Solid

Analysis Batch: 43614

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 | 249.7 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3774-A-2-C MS

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 825.5 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 890-3774-A-2-D MSD

Matrix: Solid

Analysis Batch: 43614

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 | 550 | | 250 | 799.5 | | mg/Kg | | 100 | 90 - 110 | 3 | 20 |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

GC VOA

Prep Batch: 43511

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | 5035 | |
| MB 880-43511/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-43511/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-43511/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3772-A-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-3772-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Prep Batch: 43542

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-43542/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 43785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | 8021B | 43511 |
| MB 880-43511/5-A | Method Blank | Total/NA | Solid | 8021B | 43511 |
| MB 880-43542/5-A | Method Blank | Total/NA | Solid | 8021B | 43542 |
| LCS 880-43511/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 43511 |
| LCSD 880-43511/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 43511 |
| 890-3772-A-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 43511 |
| 890-3772-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 43511 |

Analysis Batch: 43864

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 43713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | 8015NM Prep | |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 43779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | 8015B NM | 43713 |
| MB 880-43713/1-A | Method Blank | Total/NA | Solid | 8015B NM | 43713 |
| LCS 880-43713/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 43713 |
| LCSD 880-43713/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 43713 |
| 890-3781-A-21-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 43713 |

Analysis Batch: 43895

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3779-1 | SS07 | Total/NA | Solid | 8015 NM | |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

HPLC/IC

Leach Batch: 43541

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3779-1 | SS07 | Soluble | Solid | DI Leach | |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 43614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3779-1 | SS07 | Soluble | Solid | 300.0 | 43541 |
| MB 880-43541/1-A | Method Blank | Soluble | Solid | 300.0 | 43541 |
| LCS 880-43541/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 43541 |
| LCSD 880-43541/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-C MS | Matrix Spike | Soluble | Solid | 300.0 | 43541 |
| 890-3774-A-2-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 43541 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Client Sample ID: SS07

Lab Sample ID: 890-3779-1

Date Collected: 01/06/23 10:20

Matrix: Solid

Date Received: 01/06/23 13:17

| 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 | 43511 | 01/10/23 10:59 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 43785 | 01/13/23 03:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 43864 | 01/13/23 08:07 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 43895 | 01/13/23 12:46 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 43713 | 01/11/23 09:47 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 43779 | 01/13/23 00:04 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 43541 | 01/09/23 12:54 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 43614 | 01/10/23 15:16 | 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: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 Brushy Draw 901H

Job ID: 890-3779-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3779-1 | SS07 | Solid | 01/06/23 10:20 | 01/06/23 13:17 | 0.5' |

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Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199


Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

| | | | |
|------------------|----------------------|-------------------------|------------------------|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Garrett Green |
| Company Name: | Ensolum, LLC | Company Name: | XTO Energy |
| Address: | 3122 Nat'l Parks Hwy | Address: | 3122 Nat'l Parks Hwy |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337.357.8307 | Email: | tmorrissey@ensolum.com |

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

| | | | | | | | | | |
|---|--|-------------------------|--|---|--|---|--|--------------------|--|
| Project Name: | | PLU 25 Brushy Draw 9c14 | | Turn Around | | | | Preservative Codes | |
| Project Number: | | 03C1558155 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | Pres. Code | | | |
| Project Location: | | 32.10185 - 103.84166 | | Due Date: | | | | | |
| Sampler's Name: | | Meredith Roberts | | TAT starts the day received by the lab, if received by 4:30pm | | | | | |
| PO #: | | | | Wet Ice: | | Yes No | | | |
| SAMPLE RECEIPT | | Temp Blank: | | Yes No | | | | | |
| Samples Received Inact: | | (Yes) No | | Thermometer ID: | | 114-207 | | | |
| Cooler Custody Seals: | | Yes No | | Correction Factor: | | D-0.2 | | | |
| Sample Custody Seals: | | Yes No | | Temperature Reading: | | 4.3 | | | |
| Total Containers: | | Yes No | | Corrected Temperature: | | 4.1 | | | |
| Parameters | | | | | | | | | |
| ANALYSIS REQUEST | | | | | | | | | |
| Barcode | | | | | |  | | | |
| 890-3779 Chain of Custody | | | | | | | | | |
| None: NO | | | | | | DI Water: H ₂ O | | | |
| Cool: Cool | | | | | | MeOH: Me | | | |
| HCL: HC | | | | | | HNO ₃ : HN | | | |
| H ₂ SO ₄ : H ₂ | | | | | | NaOH: Na | | | |
| H ₃ PO ₄ : HP | | | | | | | | | |
| NaHSO ₄ : NABIS | | | | | | | | | |
| Na ₂ S ₂ O ₃ : NaSO ₃ | | | | | | | | | |
| Zn Acetate+NaOH: Zn | | | | | | | | | |
| NaOH+Ascorbic Acid: SAPC | | | | | | | | | |

[illegible]

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

| Total 200.7 / 6010 | 200.8 / 6020: | |
|--|--------------------------|--|
| 8RCRA | 13PPM | Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010 : 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i> | <i>[Signature]</i> | 1-6-23 13:27 | | | |
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Download Date: 08/25/2020 8:41 AM, 2020/2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3779-1

SDG Number: 03C1558155

Login Number: 3779

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3779-1

SDG Number: 03C1558155

Login Number: 3779

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/09/23 08:26 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: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/30/2023 9:49:24 AM

JOB DESCRIPTION

PLU 25 BRUSHY DRAW 901H
SDG NUMBER 03C1558155

JOB NUMBER

890-3865-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad**Job Notes**

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

Authorization

Generated
1/30/2023 9:49:24 AM

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

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Laboratory Job ID: 890-3865-1
SDG: 03C1558155

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| 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 |
|-----------|--|
| 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. |

HPLC/IC

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

Glossary

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

Eurofins Carlsbad

Definitions/Glossary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|---|
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

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Case Narrative

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Job ID: 890-3865-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3865-1

Receipt

The samples were received on 1/16/2023 8:46 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 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-3865-1), FS02 (890-3865-2), FS03 (890-3865-3), FS04 (890-3865-4), FS05 (890-3865-5), FS06 (890-3865-6), FS07 (890-3865-7), SW01 (890-3865-8) and SW02 (890-3865-9).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-44333/1-A) and (LCSD 880-44333/2-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: SW02 (890-3865-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-44333 and analytical batch 880-44315 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike (MS) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44333 and analytical batch 880-44315 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44342 and analytical batch 880-44418 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 for preparation batch 880-44318 and analytical batch 880-44899 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS04 (890-3865-4), FS05 (890-3865-5), (LCS 880-44318/2-A), (MB 880-44318/1-A), (880-23716-A-1-E), (880-23716-A-1-F MS) and (880-23716-A-1-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3867-A-1-E MS) and (890-3867-A-1-F 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: FS06 (890-3865-6), FS07 (890-3865-7) and SW01 (890-3865-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44245 and 880-44245 and analytical batch 880-44498 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

Case Narrative

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Job ID: 890-3865-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS01

Lab Sample ID: 890-3865-1

Date Collected: 01/13/23 13:35

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U F2 F1 *- | 0.00200 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| Toluene | <0.00200 | U F2 F1 | 0.00200 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.00200 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U *+ F2 F1 | 0.00401 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| o-Xylene | <0.00200 | U *+ F2 F1 | 0.00200 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| Xylenes, Total | <0.00401 | U *+ F2 F1 | 0.00401 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 22:14 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 22:14 | 1 |
| 1,4-Difluorobenzene (Surr) | 80 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 22:14 | 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 | - | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 150 | | 49.9 | mg/Kg | - | | 01/30/23 09:56 | 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 | <49.9 | U | 49.9 | mg/Kg | - | 01/19/23 10:32 | 01/28/23 09:59 | 1 |
| Diesel Range Organics (Over C10-C28) | 150 | | 49.9 | mg/Kg | - | 01/19/23 10:32 | 01/28/23 09:59 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | - | 01/19/23 10:32 | 01/28/23 09:59 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92 | | 70 - 130 | 01/19/23 10:32 | 01/28/23 09:59 | 1 |
| o-Terphenyl | 97 | | 70 - 130 | 01/19/23 10:32 | 01/28/23 09:59 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2140 | F1 | 25.3 | mg/Kg | - | | 01/20/23 17:49 | 5 |

Client Sample ID: FS02

Lab Sample ID: 890-3865-2

Date Collected: 01/13/23 13:40

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |
| o-Xylene | 0.00514 | | 0.00199 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |
| Xylenes, Total | 0.00514 | | 0.00398 | mg/Kg | - | 01/19/23 13:17 | 01/21/23 18:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91 | | 70 - 130 | 01/19/23 13:17 | 01/21/23 18:45 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS02

Lab Sample ID: 890-3865-2

Date Collected: 01/13/23 13:40

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 121 | | 70 - 130 | 01/19/23 13:17 | 01/21/23 18:45 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00514 | | 0.00398 | mg/Kg | | | 01/23/23 12:52 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 266 | | 50.0 | mg/Kg | | | 01/30/23 09:56 | 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 | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:20 | 1 |
| Diesel Range Organics (Over C10-C28) | 214 | | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:20 | 1 |
| Oil Range Organics (Over C28-C36) | 51.6 | | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:20 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 98 | | 70 - 130 | | | 01/19/23 10:32 | 01/28/23 10:20 | 1 |
| o-Terphenyl | 109 | | 70 - 130 | | | 01/19/23 10:32 | 01/28/23 10:20 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1390 | | 24.9 | mg/Kg | | | 01/20/23 18:06 | 5 |

Client Sample ID: FS03

Lab Sample ID: 890-3865-3

Date Collected: 01/13/23 13:45

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U * | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| Toluene | 0.00256 | | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U *+ | 0.00398 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| o-Xylene | <0.00199 | U *+ | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| Xylenes, Total | <0.00398 | U *+ | 0.00398 | mg/Kg | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | | | 01/19/23 12:58 | 01/19/23 22:55 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/20/23 14:02 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS03

Lab Sample ID: 890-3865-3

Date Collected: 01/13/23 13:45

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 64.1 | | 49.9 | mg/Kg | | | 01/30/23 09:56 | 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 | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:44 | 1 |
| Diesel Range Organics (Over C10-C28) | 64.1 | | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:44 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 10:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 70 | | 70 - 130 | | | 01/19/23 10:32 | 01/28/23 10:44 | 1 |
| o-Terphenyl | 72 | | 70 - 130 | | | 01/19/23 10:32 | 01/28/23 10:44 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 4110 | | 25.0 | mg/Kg | | | 01/20/23 18:12 | 5 |

Client Sample ID: FS04

Lab Sample ID: 890-3865-4

Date Collected: 01/13/23 13:50

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U * | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U ** | 0.00399 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| o-Xylene | <0.00200 | U ** | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| Xylenes, Total | <0.00399 | U ** | 0.00399 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | 01/19/23 12:58 | 01/19/23 23:15 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 72.7 | | 49.9 | mg/Kg | | | 01/30/23 09:56 | 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 | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:08 | 1 |
| Diesel Range Organics (Over C10-C28) | 72.7 | | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:08 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:08 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS04

Lab Sample ID: 890-3865-4

Date Collected: 01/13/23 13:50

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 45 | S1- | 70 - 130 | 01/19/23 10:32 | 01/28/23 11:08 | 1 |
| o-Terphenyl | 43 | S1- | 70 - 130 | 01/19/23 10:32 | 01/28/23 11:08 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 3810 | | 24.9 | mg/Kg | | | 01/20/23 18:18 | 5 |

Client Sample ID: FS05

Lab Sample ID: 890-3865-5

Date Collected: 01/13/23 13:55

Matrix: Solid

Date Received: 01/16/23 08:46

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 | | 01/19/23 12:58 | 01/19/23 23:36 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:36 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:36 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U ** | 0.00402 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:36 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/19/23 16:39 | 01/20/23 15:37 | 1 |
| Xylenes, Total | <0.00402 | U ** | 0.00402 | mg/Kg | | 01/19/23 12:58 | 01/19/23 23:36 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 23:36 | 1 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 23:36 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 97.2 | | 50.0 | mg/Kg | | | 01/30/23 09:56 | 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 | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:32 | 1 |
| Diesel Range Organics (Over C10-C28) | 97.2 | | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:32 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 11:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 39 | S1- | 70 - 130 | 01/19/23 10:32 | 01/28/23 11:32 | 1 |
| o-Terphenyl | 36 | S1- | 70 - 130 | 01/19/23 10:32 | 01/28/23 11:32 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 3810 | | 24.8 | mg/Kg | | | 01/20/23 18:24 | 5 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS06

Lab Sample ID: 890-3865-6

Date Collected: 01/13/23 14:00

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U *- | 0.00202 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U ** | 0.00404 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| o-Xylene | <0.00202 | U ** | 0.00202 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| Xylenes, Total | <0.00404 | U ** | 0.00404 | mg/Kg | - | 01/19/23 12:58 | 01/19/23 23:56 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 23:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 23:56 | 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 | - | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 118 | | 50.0 | mg/Kg | - | | 01/30/23 10:23 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | - | 01/19/23 10:36 | 01/28/23 21:03 | 1 |
| Diesel Range Organics (Over C10-C28) | 118 | | 50.0 | mg/Kg | - | 01/19/23 10:36 | 01/28/23 21:03 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | - | 01/19/23 10:36 | 01/28/23 21:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 53 | S1- | 70 - 130 | 01/19/23 10:36 | 01/28/23 21:03 | 1 |
| o-Terphenyl | 48 | S1- | 70 - 130 | 01/19/23 10:36 | 01/28/23 21:03 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2380 | | 24.8 | mg/Kg | - | | 01/20/23 18:41 | 5 |

Client Sample ID: FS07

Lab Sample ID: 890-3865-7

Date Collected: 01/13/23 14:05

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U *- | 0.00199 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U ** | 0.00398 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |
| o-Xylene | <0.00199 | U ** | 0.00199 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |
| Xylenes, Total | <0.00398 | U ** | 0.00398 | mg/Kg | - | 01/19/23 12:58 | 01/20/23 00:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | 01/19/23 12:58 | 01/20/23 00:17 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS07

Lab Sample ID: 890-3865-7

Date Collected: 01/13/23 14:05

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 2

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 01/19/23 12:58 | 01/20/23 00:17 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 191 | | 49.9 | mg/Kg | | | 01/30/23 10:23 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:30 | 1 |
| Diesel Range Organics (Over C10-C28) | 191 | | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:30 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 68 | S1- | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 21:30 | 1 |
| o-Terphenyl | 61 | S1- | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 21:30 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1960 | | 25.1 | mg/Kg | | | 01/20/23 18:47 | 5 |

Client Sample ID: SW01

Lab Sample ID: 890-3865-8

Date Collected: 01/13/23 13:25

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 0 - 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U * | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U ** | 0.00398 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| o-Xylene | <0.00199 | U ** | 0.00199 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| Xylenes, Total | <0.00398 | U ** | 0.00398 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:37 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | 01/19/23 12:58 | 01/20/23 00:37 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | 01/19/23 12:58 | 01/20/23 00:37 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 119 | | 49.9 | mg/Kg | | | 01/30/23 10:23 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: SW01

Lab Sample ID: 890-3865-8

Date Collected: 01/13/23 13:25

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 0 - 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:55 | 1 |
| Diesel Range Organics (Over C10-C28) | 119 | | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:55 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/19/23 10:36 | 01/28/23 21:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 72 | | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 21:55 | 1 |
| o-Terphenyl | 64 | S1- | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 21:55 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1200 | | 25.2 | mg/Kg | | | 01/20/23 18:53 | 5 |

Client Sample ID: SW02

Lab Sample ID: 890-3865-9

Date Collected: 01/13/23 13:30

Matrix: Solid

Date Received: 01/16/23 08:46

Sample Depth: 0 - 2

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U * | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U ** | 0.00399 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| o-Xylene | <0.00200 | U ** | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| Xylenes, Total | <0.00399 | U ** | 0.00399 | mg/Kg | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |
| 1,4-Difluorobenzene (Surr) | 67 | S1- | 70 - 130 | | | 01/19/23 12:58 | 01/20/23 00:57 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/20/23 14:02 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|------------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 101 | | 50.0 | mg/Kg | | | 01/30/23 10:23 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 22:17 | 1 |
| Diesel Range Organics (Over C10-C28) | 101 | | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 22:17 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 22:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 96 | | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 22:17 | 1 |
| o-Terphenyl | 93 | | 70 - 130 | | | 01/19/23 10:36 | 01/28/23 22:17 | 1 |

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Client Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: SW02
Date Collected: 01/13/23 13:30
Date Received: 01/16/23 08:46
Sample Depth: 0 - 2

Lab Sample ID: 890-3865-9
Matrix: Solid

| Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Chloride | 3580 | | 25.0 | mg/Kg | | | 01/20/23 18:59 | 5 | |

Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-23720-A-61-G MS | Matrix Spike | 98 | 113 |
| 880-23720-A-61-H MSD | Matrix Spike Duplicate | 101 | 112 |
| 880-23936-A-1-A MS | Matrix Spike | 97 | 114 |
| 880-23936-A-1-B MSD | Matrix Spike Duplicate | 95 | 114 |
| 890-3865-1 | FS01 | 120 | 80 |
| 890-3865-1 MS | FS01 | 120 | 99 |
| 890-3865-1 MSD | FS01 | 122 | 90 |
| 890-3865-2 | FS02 | 91 | 121 |
| 890-3865-3 | FS03 | 105 | 91 |
| 890-3865-4 | FS04 | 111 | 102 |
| 890-3865-5 | FS05 | 109 | 96 |
| 890-3865-6 | FS06 | 110 | 101 |
| 890-3865-7 | FS07 | 108 | 98 |
| 890-3865-8 | SW01 | 100 | 90 |
| 890-3865-9 | SW02 | 94 | 67 S1- |
| LCS 880-44333/1-A | Lab Control Sample | 137 S1+ | 93 |
| LCS 880-44342/1-A | Lab Control Sample | 96 | 114 |
| LCS 880-44393/1-A | Lab Control Sample | 97 | 113 |
| LCSD 880-44333/2-A | Lab Control Sample Dup | 165 S1+ | 110 |
| LCSD 880-44342/2-A | Lab Control Sample Dup | 96 | 115 |
| LCSD 880-44393/2-A | Lab Control Sample Dup | 92 | 111 |
| MB 880-44233/5-A | Method Blank | 86 | 89 |
| MB 880-44333/5-A | Method Blank | 87 | 86 |
| MB 880-44340/5-A | Method Blank | 97 | 112 |
| MB 880-44342/5-A | Method Blank | 95 | 111 |
| MB 880-44393/5-A | Method Blank | 95 | 110 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 880-23716-A-1-F MS | Matrix Spike | 20 S1- | 12 S1- |
| 880-23716-A-1-G MSD | Matrix Spike Duplicate | 59 S1- | 55 S1- |
| 890-3865-1 | FS01 | 92 | 97 |
| 890-3865-2 | FS02 | 98 | 109 |
| 890-3865-3 | FS03 | 70 | 72 |
| 890-3865-4 | FS04 | 45 S1- | 43 S1- |
| 890-3865-5 | FS05 | 39 S1- | 36 S1- |
| 890-3865-6 | FS06 | 53 S1- | 48 S1- |
| 890-3865-7 | FS07 | 68 S1- | 61 S1- |
| 890-3865-8 | SW01 | 72 | 64 S1- |
| 890-3865-9 | SW02 | 96 | 93 |
| 890-3867-A-1-E MS | Matrix Spike | 81 | 69 S1- |
| 890-3867-A-1-F MSD | Matrix Spike Duplicate | 79 | 67 S1- |

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Surrogate Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|----------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| LCS 880-44318/2-A | Lab Control Sample | 124 | 133 S1+ |
| LCS 880-44319/2-A | Lab Control Sample | 108 | 109 |
| LCSD 880-44318/3-A | Lab Control Sample Dup | 106 | 114 |
| LCSD 880-44319/3-A | Lab Control Sample Dup | 105 | 106 |
| MB 880-44318/1-A | Method Blank | 163 S1+ | 180 S1+ |
| MB 880-44319/1-A | Method Blank | 112 | 113 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44233/5-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44233

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/18/23 10:19 | 01/19/23 11:18 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 70 - 130 | 01/18/23 10:19 | 01/19/23 11:18 | 1 |
| 1,4-Difluorobenzene (Surr) | 89 | | 70 - 130 | 01/18/23 10:19 | 01/19/23 11:18 | 1 |

Lab Sample ID: MB 880-44333/5-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 12:58 | 01/19/23 21:53 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 21:53 | 1 |
| 1,4-Difluorobenzene (Surr) | 86 | | 70 - 130 | 01/19/23 12:58 | 01/19/23 21:53 | 1 |

Lab Sample ID: LCS 880-44333/1-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.06882 | *- | mg/Kg | | 69 | 70 - 130 |
| Toluene | 0.100 | 0.09131 | | mg/Kg | | 91 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09719 | | mg/Kg | | 97 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2212 | | mg/Kg | | 111 | 70 - 130 |
| o-Xylene | 0.100 | 0.1242 | | mg/Kg | | 124 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 137 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 |

Lab Sample ID: LCSD 880-44333/2-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.08647 | | mg/Kg | | 86 | 70 - 130 | 23 | 35 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: LCSD 880-44333/2-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene | 0.100 | 0.1174 | | mg/Kg | | 117 | 70 - 130 | 25 | 35 |
| Ethylbenzene | 0.100 | 0.1280 | | mg/Kg | | 128 | 70 - 130 | 27 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2911 | *+ | mg/Kg | | 146 | 70 - 130 | 27 | 35 |
| o-Xylene | 0.100 | 0.1638 | *+ | mg/Kg | | 164 | 70 - 130 | 28 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 165 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: 890-3865-1 MS

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00200 | U F2 F1 * | 0.0998 | 0.07474 | | mg/Kg | | 75 | 70 - 130 | | |
| Toluene | <0.00200 | U F2 F1 | 0.0998 | 0.07789 | | mg/Kg | | 78 | 70 - 130 | | |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.0998 | 0.07101 | | mg/Kg | | 71 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00401 | U *+ F2 | 0.200 | 0.1430 | | mg/Kg | | 72 | 70 - 130 | | |
| o-Xylene | <0.00200 | U *+ F2 F1 | 0.0998 | 0.08377 | | mg/Kg | | 84 | 70 - 130 | | |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: 890-3865-1 MSD

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 44333

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00200 | U F2 F1 * | 0.101 | 0.03198 | F2 F1 | mg/Kg | | 32 | 70 - 130 | 80 | 35 |
| Toluene | <0.00200 | U F2 F1 | 0.101 | 0.04712 | F2 F1 | mg/Kg | | 47 | 70 - 130 | 49 | 35 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.101 | 0.04000 | F2 F1 | mg/Kg | | 40 | 70 - 130 | 56 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U *+ F2 | 0.202 | 0.07735 | F2 F1 | mg/Kg | | 38 | 70 - 130 | 60 | 35 |
| o-Xylene | <0.00200 | U *+ F2 F1 | 0.101 | 0.05148 | F2 F1 | mg/Kg | | 51 | 70 - 130 | 48 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 122 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 |

Lab Sample ID: MB 880-44340/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44340

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: MB 880-44340/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44340

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 13:13 | 01/21/23 00:19 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 01/19/23 13:13 | 01/21/23 00:19 | 1 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 | 01/19/23 13:13 | 01/21/23 00:19 | 1 |

Lab Sample ID: MB 880-44342/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 13:17 | 01/21/23 11:57 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | 01/19/23 13:17 | 01/21/23 11:57 | 1 |
| 1,4-Difluorobenzene (Surr) | 111 | | 70 - 130 | 01/19/23 13:17 | 01/21/23 11:57 | 1 |

Lab Sample ID: LCS 880-44342/1-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene | 0.100 | 0.09578 | | mg/Kg | | 96 | 70 - 130 |
| Toluene | 0.100 | 0.08907 | | mg/Kg | | 89 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08538 | | mg/Kg | | 85 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1726 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | 0.100 | 0.08413 | | mg/Kg | | 84 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 114 | | 70 - 130 |

Lab Sample ID: LCSD 880-44342/2-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100 | 0.09760 | | mg/Kg | | 98 | 70 - 130 | 2 | 35 |
| Toluene | 0.100 | 0.09010 | | mg/Kg | | 90 | 70 - 130 | 1 | 35 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: LCSD 880-44342/2-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Ethylbenzene | 0.100 | 0.08582 | | mg/Kg | | 86 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1730 | | mg/Kg | | 86 | 70 - 130 | 0 | 35 |
| o-Xylene | 0.100 | 0.08489 | | mg/Kg | | 85 | 70 - 130 | 1 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 115 | | 70 - 130 |

Lab Sample ID: 880-23720-A-61-G MS

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00202 | U F2 F1 | 0.0996 | 0.06497 | F1 | mg/Kg | | 65 | 70 - 130 |
| Toluene | <0.00202 | U F2 F1 | 0.0996 | 0.06294 | F1 | mg/Kg | | 63 | 70 - 130 |
| Ethylbenzene | <0.00202 | U F2 F1 | 0.0996 | 0.06079 | F1 | mg/Kg | | 61 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00404 | U F2 F1 | 0.199 | 0.1231 | F1 | mg/Kg | | 62 | 70 - 130 |
| o-Xylene | <0.00202 | U F2 F1 | 0.0996 | 0.06114 | F1 | mg/Kg | | 61 | 70 - 130 |

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

Lab Sample ID: 880-23720-A-61-H MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44342

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00202 | U F2 F1 | 0.0990 | 0.02872 | F2 F1 | mg/Kg | | 29 | 70 - 130 | 77 | 35 |
| Toluene | <0.00202 | U F2 F1 | 0.0990 | 0.02996 | F2 F1 | mg/Kg | | 30 | 70 - 130 | 71 | 35 |
| Ethylbenzene | <0.00202 | U F2 F1 | 0.0990 | 0.03097 | F2 F1 | mg/Kg | | 31 | 70 - 130 | 65 | 35 |
| m-Xylene & p-Xylene | <0.00404 | U F2 F1 | 0.198 | 0.06516 | F2 F1 | mg/Kg | | 33 | 70 - 130 | 62 | 35 |
| o-Xylene | <0.00202 | U F2 F1 | 0.0990 | 0.03524 | F2 F1 | mg/Kg | | 36 | 70 - 130 | 54 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 |

Lab Sample ID: MB 880-44393/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: MB 880-44393/5-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 | | | 01/19/23 16:39 | 01/20/23 12:04 | 1 |

Lab Sample ID: LCS 880-44393/1-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|----------------|------------------|------------------|-------|---|------|----------------|
| Benzene | 0.100 | 0.09599 | | mg/Kg | | 96 | 70 - 130 |
| Toluene | 0.100 | 0.09139 | | mg/Kg | | 91 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08837 | | mg/Kg | | 88 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1809 | | mg/Kg | | 90 | 70 - 130 |
| o-Xylene | 0.100 | 0.08607 | | mg/Kg | | 86 | 70 - 130 |
| Surrogate | %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | | | | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-44393/2-A

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|----------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100 | 0.09064 | | mg/Kg | | 91 | 70 - 130 | 6 | 35 |
| Toluene | 0.100 | 0.08785 | | mg/Kg | | 88 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.08581 | | mg/Kg | | 86 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1748 | | mg/Kg | | 87 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.08350 | | mg/Kg | | 83 | 70 - 130 | 3 | 35 |
| Surrogate | %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 | | | | | | |
| 1,4-Difluorobenzene (Surr) | 111 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-23936-A-1-A MS

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00198 | U | 0.0998 | 0.09771 | | mg/Kg | | 98 | 70 - 130 |
| Toluene | <0.00198 | U | 0.0998 | 0.09186 | | mg/Kg | | 92 | 70 - 130 |
| Ethylbenzene | <0.00198 | U | 0.0998 | 0.09038 | | mg/Kg | | 91 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.200 | 0.1866 | | mg/Kg | | 93 | 70 - 130 |
| o-Xylene | <0.00198 | U | 0.0998 | 0.08930 | | mg/Kg | | 89 | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: 880-23936-A-1-A MS

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44393

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 114 | | 70 - 130 |

Lab Sample ID: 880-23936-A-1-B MSD

Matrix: Solid

Analysis Batch: 44418

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44393

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00198 | U | 0.100 | 0.09615 | | mg/Kg | | 96 | 70 - 130 | 2 | 35 |
| Toluene | <0.00198 | U | 0.100 | 0.08993 | | mg/Kg | | 90 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00198 | U | 0.100 | 0.08612 | | mg/Kg | | 86 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.200 | 0.1753 | | mg/Kg | | 87 | 70 - 130 | 6 | 35 |
| o-Xylene | <0.00198 | U | 0.100 | 0.08306 | | mg/Kg | | 83 | 70 - 130 | 7 | 35 |

| | MSD | MSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 114 | | 70 - 130 |

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

Lab Sample ID: MB 880-44318/1-A

Matrix: Solid

Analysis Batch: 44899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44318

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 01:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 01:58 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:32 | 01/28/23 01:58 | 1 |

| | MB | MB | | | | | | |
|----------------|-----------|-----------|----------|----------------|----------------|---------|--|--|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | |
| 1-Chlorooctane | 163 | S1+ | 70 - 130 | 01/19/23 10:32 | 01/28/23 01:58 | 1 | | |
| o-Terphenyl | 180 | S1+ | 70 - 130 | 01/19/23 10:32 | 01/28/23 01:58 | 1 | | |

Lab Sample ID: LCS 880-44318/2-A

Matrix: Solid

Analysis Batch: 44899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44318

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 888.4 | | mg/Kg | | 89 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 1000 | 1297 | | mg/Kg | | 130 | 70 - 130 | |

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 124 | | 70 - 130 |
| o-Terphenyl | 133 | S1+ | 70 - 130 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: LCSD 880-44318/3-A

Matrix: Solid

Analysis Batch: 44899

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44318

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 841.7 | | mg/Kg | | 84 | 70 - 130 | 5 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1220 | | mg/Kg | | 122 | 70 - 130 | 6 | 20 |
| | | | | | | | | | |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 106 | | 70 - 130 | | | | | | |
| o-Terphenyl | 114 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-23716-A-1-F MS

Matrix: Solid

Analysis Batch: 44899

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44318

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F1 F2 | 998 | 210.5 | F1 | mg/Kg | | 21 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U F1 F2 | 998 | 141.6 | F1 | mg/Kg | | 13 | 70 - 130 | | |
| | | | | | | | | | | | |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 20 | S1- | 70 - 130 | | | | | | | | |
| o-Terphenyl | 12 | S1- | 70 - 130 | | | | | | | | |

Lab Sample ID: 880-23716-A-1-G MSD

Matrix: Solid

Analysis Batch: 44899

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44318

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U F1 F2 | 997 | 994.6 | F2 | mg/Kg | | 100 | 70 - 130 | 130 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U F1 F2 | 997 | 616.8 | F1 F2 | mg/Kg | | 60 | 70 - 130 | 125 | 20 |
| | | | | | | | | | | | |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 59 | S1- | 70 - 130 | | | | | | | | |
| o-Terphenyl | 55 | S1- | 70 - 130 | | | | | | | | |

Lab Sample ID: MB 880-44319/1-A

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44319

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 10:29 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 10:29 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/19/23 10:36 | 01/28/23 10:29 | 1 |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: MB 880-44319/1-A

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44319

| | MB | MB | | | | |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 112 | | 70 - 130 | 01/19/23 10:36 | 01/28/23 10:29 | 1 |
| o-Terphenyl | 113 | | 70 - 130 | 01/19/23 10:36 | 01/28/23 10:29 | 1 |

Lab Sample ID: LCS 880-44319/2-A

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44319

| | | | Spike | LCS | LCS | | | | %Rec | | |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|--|--|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 953.8 | | mg/Kg | | 95 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1096 | | mg/Kg | | 110 | 70 - 130 | | |

| | LCS | LCS | | | | |
|----------------|-----------|-----------|----------|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | | |
| 1-Chlorooctane | 108 | | 70 - 130 | | | |
| o-Terphenyl | 109 | | 70 - 130 | | | |

Lab Sample ID: LCSD 880-44319/3-A

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44319

| | | | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 908.1 | | mg/Kg | | 91 | 70 - 130 | 5 | 20 | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1049 | | mg/Kg | | 105 | 70 - 130 | 4 | 20 | |

| | LCSD | LCSD | | | | |
|----------------|-----------|-----------|----------|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | | |
| 1-Chlorooctane | 105 | | 70 - 130 | | | |
| o-Terphenyl | 106 | | 70 - 130 | | | |

Lab Sample ID: 890-3867-A-1-E MS

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44319

| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 998 | 887.1 | | mg/Kg | | 84 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 998 | 988.9 | | mg/Kg | | 97 | 70 - 130 | | |

| | MS | MS | | | | |
|----------------|-----------|-----------|----------|--|--|--|
| Surrogate | %Recovery | Qualifier | Limits | | | |
| 1-Chlorooctane | 81 | | 70 - 130 | | | |
| o-Terphenyl | 69 | S1- | 70 - 130 | | | |

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QC Sample Results

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Lab Sample ID: 890-3867-A-1-F MSD

Matrix: Solid

Analysis Batch: 44950

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44319

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 997 | 915.4 | | mg/Kg | | 87 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 997 | 952.0 | | mg/Kg | | 93 | 70 - 130 | 4 | 20 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 79 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 67 | S1- | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44245/1-A

Matrix: Solid

Analysis Batch: 44498

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/20/23 17:31 | 1 |

Lab Sample ID: LCS 880-44245/2-A

Matrix: Solid

Analysis Batch: 44498

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250 | 255.6 | | mg/Kg | | 102 | 90 - 110 |

Lab Sample ID: LCSD 880-44245/3-A

Matrix: Solid

Analysis Batch: 44498

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250 | 254.7 | | mg/Kg | | 102 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-3865-1 MS

Matrix: Solid

Analysis Batch: 44498

Client Sample ID: FS01

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 2140 | F1 | 1260 | 3578 | F1 | mg/Kg | | 114 | 90 - 110 |

Lab Sample ID: 890-3865-1 MSD

Matrix: Solid

Analysis Batch: 44498

Client Sample ID: FS01

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 2140 | F1 | 1260 | 3578 | F1 | mg/Kg | | 114 | 90 - 110 | 0 | 20 |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

GC VOA

Prep Batch: 44233

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-44233/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 44315

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-3 | FS03 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-4 | FS04 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-5 | FS05 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-6 | FS06 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-7 | FS07 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-8 | SW01 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-9 | SW02 | Total/NA | Solid | 8021B | 44333 |
| MB 880-44233/5-A | Method Blank | Total/NA | Solid | 8021B | 44233 |
| MB 880-44333/5-A | Method Blank | Total/NA | Solid | 8021B | 44333 |
| LCS 880-44333/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 44333 |
| LCSD 880-44333/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 44333 |
| 890-3865-1 MS | FS01 | Total/NA | Solid | 8021B | 44333 |
| 890-3865-1 MSD | FS01 | Total/NA | Solid | 8021B | 44333 |

Prep Batch: 44333

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | 5035 | |
| 890-3865-3 | FS03 | Total/NA | Solid | 5035 | |
| 890-3865-4 | FS04 | Total/NA | Solid | 5035 | |
| 890-3865-5 | FS05 | Total/NA | Solid | 5035 | |
| 890-3865-6 | FS06 | Total/NA | Solid | 5035 | |
| 890-3865-7 | FS07 | Total/NA | Solid | 5035 | |
| 890-3865-8 | SW01 | Total/NA | Solid | 5035 | |
| 890-3865-9 | SW02 | Total/NA | Solid | 5035 | |
| MB 880-44333/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-44333/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-44333/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-3865-1 MS | FS01 | Total/NA | Solid | 5035 | |
| 890-3865-1 MSD | FS01 | Total/NA | Solid | 5035 | |

Prep Batch: 44340

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-44340/5-A | Method Blank | Total/NA | Solid | 5035 | |

Prep Batch: 44342

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3865-2 | FS02 | Total/NA | Solid | 5035 | |
| MB 880-44342/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-44342/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-44342/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23720-A-61-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23720-A-61-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Prep Batch: 44393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 890-3865-5 | FS05 | Total/NA | Solid | 5035 | |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

GC VOA (Continued)

Prep Batch: 44393 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 880-44393/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-44393/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-44393/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23936-A-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23936-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 44418

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3865-2 | FS02 | Total/NA | Solid | 8021B | 44342 |
| 890-3865-5 | FS05 | Total/NA | Solid | 8021B | 44393 |
| MB 880-44340/5-A | Method Blank | Total/NA | Solid | 8021B | 44340 |
| MB 880-44342/5-A | Method Blank | Total/NA | Solid | 8021B | 44342 |
| MB 880-44393/5-A | Method Blank | Total/NA | Solid | 8021B | 44393 |
| LCS 880-44342/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 44342 |
| LCS 880-44393/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 44393 |
| LCSD 880-44342/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 44342 |
| LCSD 880-44393/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 44393 |
| 880-23720-A-61-G MS | Matrix Spike | Total/NA | Solid | 8021B | 44342 |
| 880-23720-A-61-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 44342 |
| 880-23936-A-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 44393 |
| 880-23936-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 44393 |

Analysis Batch: 44472

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | Total BTEX | |
| 890-3865-2 | FS02 | Total/NA | Solid | Total BTEX | |
| 890-3865-3 | FS03 | Total/NA | Solid | Total BTEX | |
| 890-3865-4 | FS04 | Total/NA | Solid | Total BTEX | |
| 890-3865-5 | FS05 | Total/NA | Solid | Total BTEX | |
| 890-3865-6 | FS06 | Total/NA | Solid | Total BTEX | |
| 890-3865-7 | FS07 | Total/NA | Solid | Total BTEX | |
| 890-3865-8 | SW01 | Total/NA | Solid | Total BTEX | |
| 890-3865-9 | SW02 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 44318

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-2 | FS02 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-3 | FS03 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-4 | FS04 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-5 | FS05 | Total/NA | Solid | 8015NM Prep | |
| MB 880-44318/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-44318/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-44318/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-23716-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-23716-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

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QC Association Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

GC Semi VOA

Prep Batch: 44319

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3865-6 | FS06 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-7 | FS07 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-8 | SW01 | Total/NA | Solid | 8015NM Prep | |
| 890-3865-9 | SW02 | Total/NA | Solid | 8015NM Prep | |
| MB 880-44319/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-44319/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-44319/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3867-A-1-E MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3867-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 44899

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | 8015B NM | 44318 |
| 890-3865-2 | FS02 | Total/NA | Solid | 8015B NM | 44318 |
| 890-3865-3 | FS03 | Total/NA | Solid | 8015B NM | 44318 |
| 890-3865-4 | FS04 | Total/NA | Solid | 8015B NM | 44318 |
| 890-3865-5 | FS05 | Total/NA | Solid | 8015B NM | 44318 |
| MB 880-44318/1-A | Method Blank | Total/NA | Solid | 8015B NM | 44318 |
| LCS 880-44318/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 44318 |
| LCSD 880-44318/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 44318 |
| 880-23716-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 44318 |
| 880-23716-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 44318 |

Analysis Batch: 44950

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3865-6 | FS06 | Total/NA | Solid | 8015B NM | 44319 |
| 890-3865-7 | FS07 | Total/NA | Solid | 8015B NM | 44319 |
| 890-3865-8 | SW01 | Total/NA | Solid | 8015B NM | 44319 |
| 890-3865-9 | SW02 | Total/NA | Solid | 8015B NM | 44319 |
| MB 880-44319/1-A | Method Blank | Total/NA | Solid | 8015B NM | 44319 |
| LCS 880-44319/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 44319 |
| LCSD 880-44319/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 44319 |
| 890-3867-A-1-E MS | Matrix Spike | Total/NA | Solid | 8015B NM | 44319 |
| 890-3867-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 44319 |

Analysis Batch: 44998

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3865-1 | FS01 | Total/NA | Solid | 8015 NM | |
| 890-3865-2 | FS02 | Total/NA | Solid | 8015 NM | |
| 890-3865-3 | FS03 | Total/NA | Solid | 8015 NM | |
| 890-3865-4 | FS04 | Total/NA | Solid | 8015 NM | |
| 890-3865-5 | FS05 | Total/NA | Solid | 8015 NM | |
| 890-3865-6 | FS06 | Total/NA | Solid | 8015 NM | |
| 890-3865-7 | FS07 | Total/NA | Solid | 8015 NM | |
| 890-3865-8 | SW01 | Total/NA | Solid | 8015 NM | |
| 890-3865-9 | SW02 | Total/NA | Solid | 8015 NM | |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

HPLC/IC

Leach Batch: 44245

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3865-1 | FS01 | Soluble | Solid | DI Leach | |
| 890-3865-2 | FS02 | Soluble | Solid | DI Leach | |
| 890-3865-3 | FS03 | Soluble | Solid | DI Leach | |
| 890-3865-4 | FS04 | Soluble | Solid | DI Leach | |
| 890-3865-5 | FS05 | Soluble | Solid | DI Leach | |
| 890-3865-6 | FS06 | Soluble | Solid | DI Leach | |
| 890-3865-7 | FS07 | Soluble | Solid | DI Leach | |
| 890-3865-8 | SW01 | Soluble | Solid | DI Leach | |
| 890-3865-9 | SW02 | Soluble | Solid | DI Leach | |
| MB 880-44245/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44245/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-44245/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3865-1 MS | FS01 | Soluble | Solid | DI Leach | |
| 890-3865-1 MSD | FS01 | Soluble | Solid | DI Leach | |

Analysis Batch: 44498

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3865-1 | FS01 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-2 | FS02 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-3 | FS03 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-4 | FS04 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-5 | FS05 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-6 | FS06 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-7 | FS07 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-8 | SW01 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-9 | SW02 | Soluble | Solid | 300.0 | 44245 |
| MB 880-44245/1-A | Method Blank | Soluble | Solid | 300.0 | 44245 |
| LCS 880-44245/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44245 |
| LCSD 880-44245/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 44245 |
| 890-3865-1 MS | FS01 | Soluble | Solid | 300.0 | 44245 |
| 890-3865-1 MSD | FS01 | Soluble | Solid | 300.0 | 44245 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS01

Lab Sample ID: 890-3865-1

Date Collected: 01/13/23 13:35

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/19/23 22:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 09:56 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 44318 | 01/19/23 10:32 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44899 | 01/28/23 09:59 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 17:49 | CH | EET MID |

Client Sample ID: FS02

Lab Sample ID: 890-3865-2

Date Collected: 01/13/23 13:40

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44342 | 01/19/23 13:17 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44418 | 01/21/23 18:45 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/23/23 12:52 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 09:56 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44318 | 01/19/23 10:32 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44899 | 01/28/23 10:20 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:06 | CH | EET MID |

Client Sample ID: FS03

Lab Sample ID: 890-3865-3

Date Collected: 01/13/23 13:45

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/19/23 22:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 09:56 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 44318 | 01/19/23 10:32 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44899 | 01/28/23 10:44 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:12 | CH | EET MID |

Client Sample ID: FS04

Lab Sample ID: 890-3865-4

Date Collected: 01/13/23 13:50

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/19/23 23:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |

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Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS04

Lab Sample ID: 890-3865-4

Date Collected: 01/13/23 13:50

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | | | 44998 | 01/30/23 09:56 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 44318 | 01/19/23 10:32 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44899 | 01/28/23 11:08 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:18 | CH | EET MID |

Client Sample ID: FS05

Lab Sample ID: 890-3865-5

Date Collected: 01/13/23 13:55

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44393 | 01/19/23 16:39 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44418 | 01/20/23 15:37 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/19/23 23:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 09:56 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 44318 | 01/19/23 10:32 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44899 | 01/28/23 11:32 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:24 | CH | EET MID |

Client Sample ID: FS06

Lab Sample ID: 890-3865-6

Date Collected: 01/13/23 14:00

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/19/23 23:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 10:23 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44319 | 01/19/23 10:36 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44950 | 01/28/23 21:03 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:41 | CH | EET MID |

Client Sample ID: FS07

Lab Sample ID: 890-3865-7

Date Collected: 01/13/23 14:05

Matrix: Solid

Date Received: 01/16/23 08:46

| 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 | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/20/23 00:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 10:23 | AJ | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Client Sample ID: FS07
Date Collected: 01/13/23 14:05
Date Received: 01/16/23 08:46

Lab Sample ID: 890-3865-7
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 | 8015NM Prep | | | 10.02 g | 10 mL | 44319 | 01/19/23 10:36 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44950 | 01/28/23 21:30 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:47 | CH | EET MID |

Client Sample ID: SW01
Date Collected: 01/13/23 13:25
Date Received: 01/16/23 08:46

Lab Sample ID: 890-3865-8
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/20/23 00:37 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 10:23 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 44319 | 01/19/23 10:36 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44950 | 01/28/23 21:55 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:53 | CH | EET MID |

Client Sample ID: SW02
Date Collected: 01/13/23 13:30
Date Received: 01/16/23 08:46

Lab Sample ID: 890-3865-9
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 44333 | 01/19/23 12:58 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44315 | 01/20/23 00:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44472 | 01/20/23 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44998 | 01/30/23 10:23 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 44319 | 01/19/23 10:36 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44950 | 01/28/23 22:17 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 44245 | 01/18/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 44498 | 01/20/23 18:59 | CH | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-22-25 | 06-30-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

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- 3
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- 14

Method Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 25 BRUSHY DRAW 901H

Job ID: 890-3865-1
SDG: 03C1558155

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3865-1 | FS01 | Solid | 01/13/23 13:35 | 01/16/23 08:46 | 2 |
| 890-3865-2 | FS02 | Solid | 01/13/23 13:40 | 01/16/23 08:46 | 2 |
| 890-3865-3 | FS03 | Solid | 01/13/23 13:45 | 01/16/23 08:46 | 2 |
| 890-3865-4 | FS04 | Solid | 01/13/23 13:50 | 01/16/23 08:46 | 2 |
| 890-3865-5 | FS05 | Solid | 01/13/23 13:55 | 01/16/23 08:46 | 2 |
| 890-3865-6 | FS06 | Solid | 01/13/23 14:00 | 01/16/23 08:46 | 2 |
| 890-3865-7 | FS07 | Solid | 01/13/23 14:05 | 01/16/23 08:46 | 2 |
| 890-3865-8 | SW01 | Solid | 01/13/23 13:25 | 01/16/23 08:46 | 0 - 2 |
| 890-3865-9 | SW02 | Solid | 01/13/23 13:30 | 01/16/23 08:46 | 0 - 2 |



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

| | | | |
|------------------|---------------------|-------------------------|------------------------|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Garnett Green |
| Company Name: | Enselum, LLC | Company Name: | XTO Energy |
| Address: | 3122 Nati Parks Hwy | Address: | 3104 E Greene St |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 337-357-8307 | Email: | tmorrissey@enselum.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: | PLU 25 Bunking Draw 901H | Turn Around | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code | |
| Project Number: | 03C1558155 | | | | |
| Project Location: | 32.10185, -103.84166 | Due Date: | | | |
| Sampler's Name: | Meredith Roberts | TAT starts the day received by the lab, if received by 4:30pm | | | |
| PO #: | | | | | |
| SAMPLE RECEIPT | Temp Blank: <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No | Wet Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | Parameters | | |
| Samples Received Intact: | <input checked="" type="radio"/> Yes <input type="radio"/> No | Thermometer ID: 11111111 | | | |
| Cooler Custody Seals: | <input checked="" type="radio"/> Yes <input type="radio"/> No | Correction Factor: -0.2 | | | |
| Sample Custody Seals: | <input checked="" type="radio"/> Yes <input type="radio"/> No | Temperature Reading: 4.4 | | | |
| Total Containers: | | Corrected Temperature: 4.2 | | | |



890-3865 Chain of Custody

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|---|-----------------------------|
| ES01 | S | 1/13/23 | 1335 | 2' | C | 1 | BTEX | None: NO DI Water: H ₂ O | Incident #: 0AAPP2232537823 |
| ES02 | | | 1340 | | | | Chlorides | Cool: Cool MeOH: Me | |
| ES03 | | | 1345 | | | | TPH | HCL: HCL HNO ₃ : HN | |
| ES04 | | | 1350 | | | | | H ₂ SO ₄ : H ₂ | |
| ES05 | | | 1355 | | | | | H ₃ PO ₄ : HP | |
| ES06 | | | 1400 | | | | | NaHSO ₄ : NABIS | |
| ES07 | | | 1405 | | | | | Na ₂ S ₂ O ₃ : NaSO ₃ | |
| SMD1 | | | 1325 | 0-2' | | | | Zn Acetate+NaOH: Zn | |
| SMD2 | | | 1330 | 0-2' | | | | NaOH+Ascorbic Acid: SASC | |

| | | | |
|--|---------------|---|---|
| Total 200.7 / 6010 | 200.8 / 6020: | 8RCRA 13PPM Texas T1 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | | TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenco but not analyzed. These terms will be enforced unless previously negotiated.

| | | | | | |
|------------------------------|--------------------------|----------------|------------------------------|--------------------------|--------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 01/16/23 08:50 | <i>[Signature]</i> | <i>[Signature]</i> | 1/16/23 8:46 |

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 86220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

| | | | | | | | | | | |
|--|-------------------------|------------------------------------|---|------------------------------|---|-----------------------------------|----------------------------|----------------------------|---|---------------------------|
| Client Information (Sub Contract Lab) | | Sampler | Lab PM | Carrier Tracking No(s) | COC No | | | | | |
| Client Contact: | Phone | Kramer, Jessica | | | 890-1102 1 | | | | | |
| Shipping/Receiving | E-Mail | Jessica Kramer@et.eurofins.com | State of Origin: | | Page: 1 of 1 | | | | | |
| Eurofins Environment Testing South Cent | | Accreditations Required (See note) | NE/LAP - Texas | | Job #: | | | | | |
| Address | | Due Date Requested | Analysis Requested | | | | | | | |
| 1211 W. Florida Ave | | 1/20/2023 | 890-3865-1 | | | | | | | |
| City | Midland | TAT Requested (days) | | | | | | | | |
| State Zip | TX, 79701 | PO #: | | | | | | | | |
| Phone | 432-704-5440(Tel) | WO #: | | | | | | | | |
| Email | | Project # | | | | | | | | |
| Project Name: | PLU 25 BRUSHY DRAW 901H | SSOW# | | | | | | | | |
| Site: | | | | | | | | | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Preservation Code | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Total Number of containers | | Special Instructions/Note |
| FS01 (890-3865-1) | 1/13/23 | Mountain | 13 35 | Solid | | X | X | X | X | |
| FS02 (890-3865-2) | 1/13/23 | Mountain | 13 40 | Solid | | X | X | X | X | |
| FS03 (890-3865-3) | 1/13/23 | Mountain | 13 45 | Solid | | X | X | X | X | |
| FS04 (890-3865-4) | 1/13/23 | Mountain | 13 50 | Solid | | X | X | X | X | |
| FS05 (890-3865-5) | 1/13/23 | Mountain | 13 55 | Solid | | X | X | X | X | |
| FS06 (890-3865-6) | 1/13/23 | Mountain | 14 00 | Solid | | X | X | X | X | |
| FS07 (890-3865-7) | 1/13/23 | Mountain | 14 05 | Solid | | X | X | X | X | |
| SW01 (890-3865-8) | 1/13/23 | Mountain | 13 25 | Solid | | X | X | X | X | |
| SW02 (890-3865-9) | 1/13/23 | Mountain | 13 30 | Solid | | X | X | X | X | |
| Unconfirmed | | | | | | | | | | |
| Deliverable Requested I, II, III, IV Other (specify) | | Primary Deliverable Rank 2 | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | |
| Empty Kit Relinquished by | | Date/Time | Date | Time | Method of Shipment | | | | | |
| Relinquished by: | | Date/Time | Company | Received by: | Date/Time | Company | | | | |
| Relinquished by: | | Date/Time | Company | Received by: | Date/Time | Company | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No | Cooler Temperature(s) °C and Other Remarks | | | | | | | |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3865-1

SDG Number: 03C1558155

Login Number: 3865

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3865-1

SDG Number: 03C1558155

Login Number: 3865

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Midland

List Creation: 01/17/23 11:09 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"). | True | |



APPENDIX D

NMOCD Notifications

From: [Green, Garrett J](#)
To: ocd.enviro@emnrd.nm.gov; [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Cc: [DelawareSpills /SM](#); [Tacoma Morrissey](#)
Subject: XTO - Sampling Notification (Week of 1/9/23 - 1/13/23)
Date: Thursday, January 5, 2023 4:44:48 PM

[**EXTERNAL EMAIL **]

All,

XTO plans to complete final sampling activities at the following sites the week of Jan 9, 2023.

- PLU 16 TWR 126H Fire/ nAPP2233339417
- PLU 25 BD 901H / nAPP2232537823

Thank you,

Garrett Green

Environmental Coordinator

Delaware Business Unit

(575) 200-0729

Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

3104 E. Greene Street | Carlsbad, NM 88220 | M: (575)200-0729

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 184113

CONDITIONS

| | |
|---|---|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 184113 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | We have received your closure report and final C-141 for Incident #NAPP2232537823 PLU 25 BRUSHY DRAW 901H, thank you. This closure is approved. | 5/30/2023 |