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Incident ID nAPP2233349315
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.

| 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 off 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 ☐ Thereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD ru 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 | Closure Report Attachment Checklist: Each of the following items | s must be included in the closure report. |
|--|---|--|
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| Received by: | and regulations all operators are required to report and/or file certain rel may endanger public health or the environment. The acceptance of a C should their operations have failed to adequately investigate and remedi human health or the environment. In addition, OCD acceptance of a C-compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditi accordance with 19.15.29.13 NMAC including notification to the OCD Printed Name:Garrett Green | lease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability late contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for us. The responsible party acknowledges they must substantially ions that existed prior to the release or their final land use in when reclamation and re-vegetation are complete. e: _Environmental Coordinator |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the respons party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: | OCD Only | |
| remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the respons party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Robert Hamlet Date: Date: | Received by:Jocelyn Harimon | Date:02/14/2023 |
| | remediate contamination that poses a threat to groundwater, surface water | er, human health, or the environment nor does not relieve the responsible |
| Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced | Closure Approved by: Robert Hamlet | Date:6/15/2023 |
| | Printed Name: Robert Hamlet | Title: Environmental Specialist - Advanced |

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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

| Incident ID | NAPP2233349315 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

| | | | Resp | onsible Party | y | |
|--|----------------------------|---------------------------------------|--|------------------------|---------------------------|--|
| Responsible Party XTO Energy | | | | OGRID 4 | 5380 | |
| | Contact Name Garrett Green | | | | elephone 575-200- | -0729 |
| Contact emai | l garrett.gre | en@exxonmobil.c | om | Incident # | (assigned by OCD) | |
| Contact maili | ing address | 3104 E. Greene St | reet, Carlsbad, Nev | w Mexico, 88220 | | |
| | | | Location | of Release So | ource | |
| Latitude 32. | 18273 | | (NAD 83 in dec | Longitude _ | -103.88090 nal places) | |
| Site Name I | PLU Pierce | Canyon 28 Battery | 7 | Site Type | Tank Battery | |
| Date Release | Discovered | 11/16/2022 | | API# (if app | licable) | |
| Unit Letter | Section | Township | Range | Coun | ty | |
| P | 28 | 24S | 30E | Edd | y | |
| | Materia | Federal Tr | Nature and | Valume of I | | plumes provided below) |
| Crude Oil | | Volume Release | d (bbls) 0.19 |) | Volume Recove | ered (bbls) 0.00 |
| Produced | Water | Volume Release | d (bbls) | | Volume Recove | ered (bbls) |
| | | | ion of total dissolv water >10,000 mg | ` ' | Yes No | |
| Condensate Volume Released (bbls) | | | Volume Recove | ered (bbls) | | |
| Natural Gas Volume Released (Mcf) | | | Volume Recove | ered (Mcf) | | |
| Other (describe) Volume/Weight Released (provide uni | | e units) | Volume/Weight Recovered (provide units) | | | |
| Cause of Rele | also exp | perienced a dump ished itself with no | malfunction, sendi | ing fluid to the flare | e, which sprayed o | he sales scrubber. The sales scrubber onto pad surface and ignited. Fire actor has been retained for remediation |

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Page 2 Oil Conservation Division

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| Incident ID | NAPP2233349315 |
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| Application ID | |

| Was this a major | If YES, for what reason(s) does the respo | nsible party consider this a major release? |
|--|--|--|
| release as defined by | A release that results in a fire or is the resu | ult of a fire. |
| 19.15.29.7(A) NMAC? | | |
| 🗶 Yes 🗌 No | | |
| | | |
| | | |
| If YES, was immediate no | otice given to the OCD? By whom? To w | nom? When and by what means (phone, email, etc)? |
| · | • | nel, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Harimon, Jocelyn, |
| EMNRD' on 11/16/22 via | | • |
| | | |
| | Initial R | esponse |
| an u | | |
| The responsible | party must undertake the following actions immediate | ly unless they could create a safety hazard that would result in injury |
| | | |
| $\begin{bmatrix} x \end{bmatrix}$ The source of the rele | ease has been stopped. | |
| The impacted area ha | s been secured to protect human health and | the environment. |
| Released materials ha | ave been contained via the use of berms or | likes, absorbent pads, or other containment devices. |
| ★ All free liquids and re | ecoverable materials have been removed an | d managed appropriately. |
| If all the actions described | d above have <u>not</u> been undertaken, explain | why: |
| NA | | |
| | | |
| | | |
| | | |
| | | |
| Por 10 15 20 8 P. (4) NIM | (AC the responsible party may commance t | remediation immediately after discovery of a release. If remediation |
| | | efforts have been successfully completed or if the release occurred |
| | | blease attach all information needed for closure evaluation. |
| I hereby certify that the info | rmation given above is true and complete to the | best of my knowledge and understand that pursuant to OCD rules and |
| | | fications and perform corrective actions for releases which may endanger |
| | | OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In |
| addition, OCD acceptance o | | responsibility for compliance with any other federal, state, or local laws |
| and/or regulations. | | |
| Printed Name: Garrett G | reen | Title: SSHE Coordinator |
| Signature: | A Kum | Date: |
| | ,,,, o <i>Sra</i> v | |
| email: garrett.green@exx | Konmobil.com | Telephone: 575-200-0729 |
| | | |
| | | |
| OCD Only | | |
| Received by: Jocel | yn Harimon | Date: 11/29/2022 |
| | | |

| Location: | PLU Pierce Canyon 28 Battery | | |
|-------------------------------|--------------------------------|---------|---------|
| Spill Date: | 11/16/2022 | | |
| | Area 1 | | |
| Approximate A | rea = | 3441.00 | sq. ft. |
| Average Satura | tion (or depth) of spill = | 0.13 | inches |
| Average Porosi | Average Porosity Factor = 0.03 | | |
| | VOLUME OF LEAK | | |
| Total Crude Oil | = | 0.19 | bbls |
| Total Produced Water = 0.00 k | | | bbls |
| | TOTAL VOLUME OF LEAK | | |
| Total Crude Oi | = | 0.19 | bbls |
| Total Produced Water = | | 0.00 | bbls |
| | TOTAL VOLUME RECOVERED | | |
| Total Crude Oi | Total Crude Oil = 0.00 bbl | | |
| Total Produced Water = 0.00 b | | | bbls |

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

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 162209

CONDITIONS

| Operator: | OGRID: |
|-------------------|---|
| XTO ENERGY, INC | 5380 |
| , | Action Number: |
| Midland, TX 79707 | 162209 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Create | l Ву | Condition | Condition Date |
|--------|------|-----------|----------------|
| jharii | non | None | 11/29/2022 |

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| Incident ID | nAPP2233349315 |
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| Application ID | |

Site Assessment/Characterization

| This information must be provided to the appropriate district office no tales than 20 days after the release discovery date. | | |
|--|---------------|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >110 (ft bgs) | |
| Did this release impact groundwater or surface water? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ⊠ 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)? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ⊠ 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? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ⊠ No | |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ⊠ No | |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ⊠ 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. | | |

| 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 |
| 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.

Received by OCD: 2/14/2023 3:52:04 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division Page 7 of 65
Incident ID nAPP2233349315
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|--|-----------------------------------|--|
| Printed Name: Garrett Green | Title: _Environmental Coordinator | |
| Signature: Satt Sur | Date:02/14/2023 | |
| email: garrett.green@exxonmobil.com | Telephone: 575-200-0729 | |
| | · — | |
| OCD Only | | |
| Received by:Jocelyn Harimon | Date:02/14/2023 | |

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| Incident ID | nAPP2233349315 |
|----------------|----------------|
| 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 must be notified 2 days prior to liner inspection) | s of the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate OD | C District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reshuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the c | ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete. Title: _Environmental Coordinator Date:02/14/2023 |
| email:garrett.green@exxonmobil.com | Telephone:575-200-0729 |
| | |
| OCD Only | |
| Received by: Jocelyn Harimon | Date: <u>02/14/2023</u> |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |
| | |



February 14, 2023

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

Re: Closure Request

PLU Pierce Canyon 28 Battery Incident Number nAPP2233349315 Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this Closure Request to document site assessment and soil sampling activities performed at the PLU Pierce Canyon 28 Battery (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a small crude oil flare fire at the Site. Based on the site assessment activities and analytical results from the soil sampling event, XTO is submitting this Closure Request for Incident Number nAPP2233349315.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in in Unit P, Section 28, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.16790°, -103.89590°) and is associated with oil and gas exploration and production operations on Federal Land operated by the Bureau of Land Management.

On November 16, 2022, the dump valve on the two-phase separator malfunctioned sending all fluid to the sales scrubber, which subsequently dumped fluid to the flare and resulted in approximately 0.19 barrels (bbls) of crude oil spraying from the flare and igniting. The fire extinguished on the ground without damaging equipment. There were no fluids to recover. XTO reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on November 16, 2022 and submitted a Release Notification Form C-141 (Form C-141) on November 29, 2022. The release was assigned Incident Number nAPP2233349315.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a soil boring (C-4474) permitted by the New Mexico Office of the State Engineer (NMOSE), located approximately 0.24 miles southeast of the Site. The groundwater well has a reported depth to groundwater greater than 110 feet bgs and a total depth of 110 feet bgs. All wells used for depth

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com

XTO Energy, Inc Closure Request PLU Pierce Canyon 28 Battery

to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 765 feet north of the Site. A potential seasonal dry wash located approximately 190 feet north of the Site was previously surveyed on July 27, 2020 and determined to be non-significant. Details of the watercourse survey can be found in the approved *Closure Request* for Incident Numbers NRM1931858285 and NCE2002742193 on pages 22 through 24. The Closure Request was submitted to the NMOCD on December 23, 2020 and approved on March 10, 2021.

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 1 Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT ACTIVITIES

On January 23, 2023, site assessment activities were conducted to evaluate the release based on information provided on the Form C-141 and visual observations. No visible indications of the release or fire were observed. Eleven delineation soil samples (SS01 through SS11) were collected beneath the flare stack and within and around the sprayed release extent at a depth of 0.5 feet bgs to assess for the presence or absence of impacted soil. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Appendix 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 (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS11 indicated that COC concentrations were compliant with the Site Closure Criteria and the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical



XTO Energy, Inc Closure Request PLU Pierce Canyon 28 Battery

reports are included as Appendix C. Sampling notifications made to NMOCD are included in Appendix D.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the November 16, 2022, crude oil flare fire. Laboratory analytical results for soil samples collected within and around the release extent indicated all COC concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table I Closure Criteria. Additionally, no visible indications of the release or fire were observed.

Based on soil sample laboratory analytical results compliant with the most stringent Table I Closure Criteria, no impacted soil was identified and as a result, no excavation appeared warranted related to the crude oil fire. As such, XTO respectfully requests closure for Incident Number nAPP2233349315.

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

Ashley L. Ager

Principal

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

Sincerely, Ensolum, LLC

Tacoma Morrissey, M.S.

Senior Geologist

Mouissey

Shelby Pennington, XTO

Garrett Green, XTO

BLM

Appendices:

CC:

Figure 1 Site Receptor Map

Figure 2 **Delineation Soil Sample Locations** Table 1 Soil Sample Analytical Results Appendix A Referenced Well Records

Appendix B Photographic Log

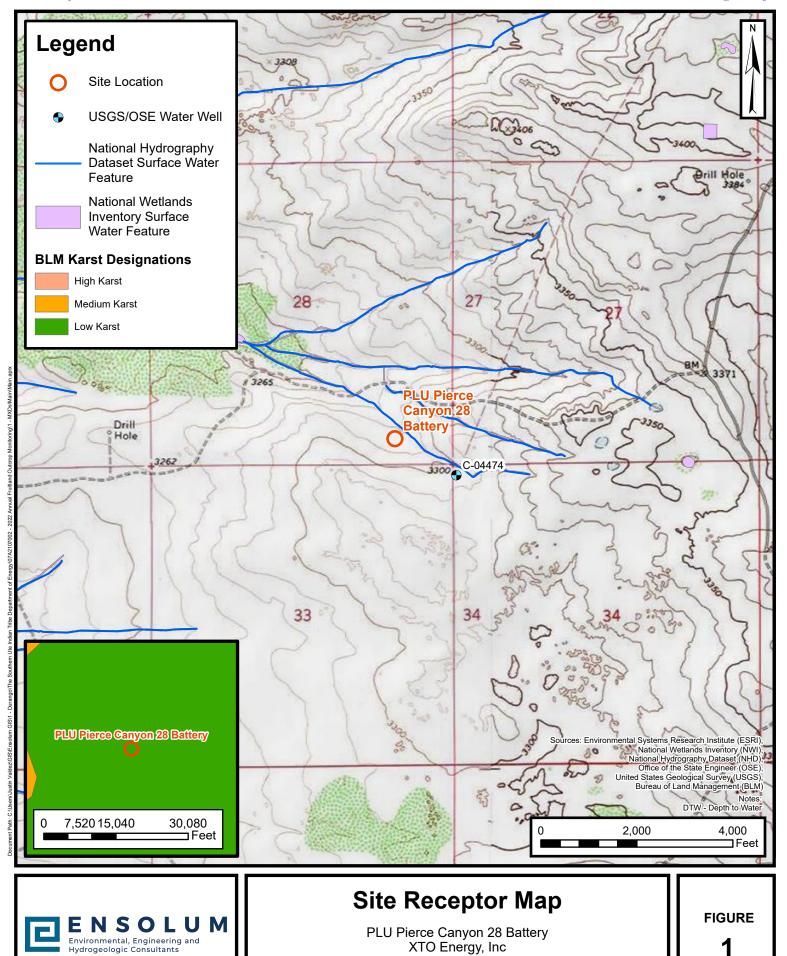
Laboratory Analytical Reports & Chain-of-Custody Documentation Appendix C

Appendix D **NMOCD Notifications**



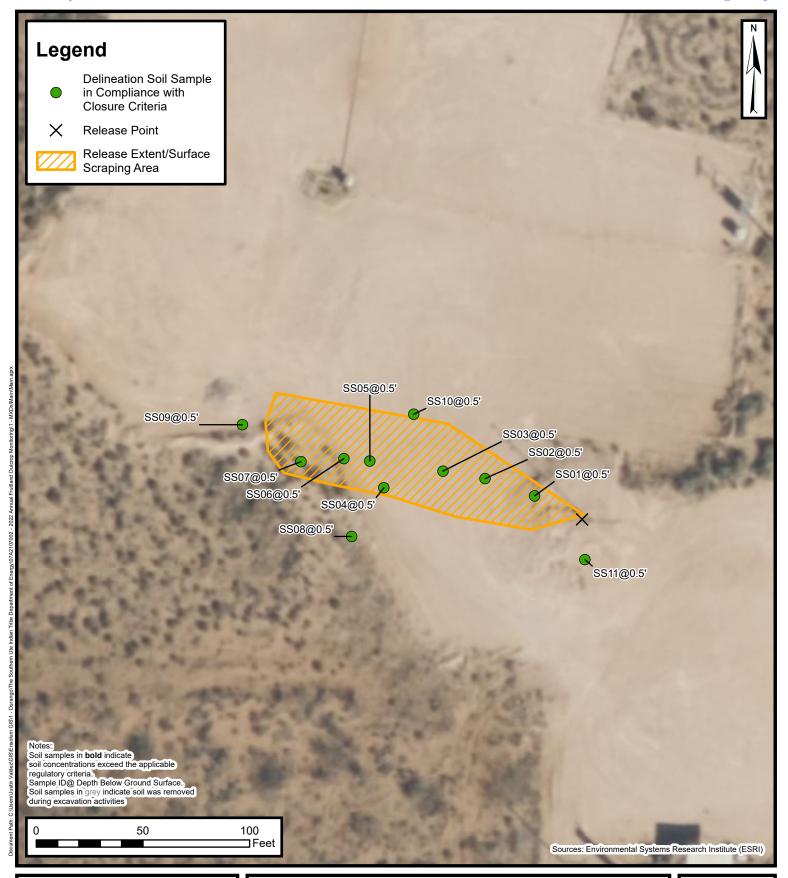


FIGURES



XTO Energy, Inc
Unit P Sec 28 T24S R30E
Eddy County, New Mexico
Incident Number: nAPP2233349315

Released to Imaging: 6/15/2023 11:58:01 AM





Delineation Soil Sample Locations

PLU Pierce Canyon 28 Battery XTO Energy, Inc Unit P Sec 28 T24S R30E Eddy County, New Mexico Incident Number: nAPP2233349315 FIGURE

2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU Pierce Canyon 28 Battery 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 Cl | losure Criteria (l | NMAC 19.15.29) | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| | | | | Deli | neation Soil Sai | nples | | | | |
| SS01 | 01/23/2023 | 0.5 | <0.00202 | <0.00404 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 9.73 |
| SS02 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 12.5 |
| SS03 | 01/23/2023 | 0.5 | <0.00200 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <4.97 |
| SS04 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 13.9 |
| SS05 | 01/23/2023 | 0.5 | <0.00198 | <0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 5.31 |
| SS06 | 01/23/2023 | 0.5 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <5.01 |
| SS07 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <5.00 |
| SS08 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <5.02 |
| SS09 | 01/23/2023 | 0.5 | <0.00200 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 14.1 |
| SS10 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 12.1 |
| SS11 | 01/23/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 10.5 |

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

Ensolum 1 of 1



APPENDIX A

Referenced Well Records

35E 07 50T 8 2020 #43/34



| | OSE POD NO | . (WELL NO |).) | | WELL TAG ID NO. | | | OSE FILE NO(| S). | | | | |
|----------------------------------|--|--|----------------------|---|--|----------|-----------|---|---|-----------------|------------------|----------|--|
| NO | POD1 (B | H-01) | | | n/a | | | C-4474 | | | | | |
| Ě | WELL OWN | ER NAME(S) |) | | | | | PHONE (OPTIC | ONAL) | | | | |
| C | XTO Ener | gy (Kyle l | Littrell) | | | | | | | | | | |
| 1 | WELL OWN | ER MAILING | G ADDRESS | | | | | CITY | | STAT | E | ZIP | |
| E | 6401 Holid | | | | | | | Midland | | TX | 79707 | | |
| ★ | | | | | | | | | | | | | |
| N N | WELL | | DE | GREES 32° | MINUTES 10' | SECON | | | | | | | |
| Į. | LOCATIO | N LA | TITUDE | 32 | 10 | 51.4 | T N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | | | | |
| ER. | (FROM GE | PS) LO | NGITUDE | ·103° | 52' | 38.6 | 5" W | * DATUM REC | QUIRED: WGS 84 | | | | |
| GENERAL AND WELL LOCATION | DESCRIPTION | | NG WELL LOCATION TO | STREET ADD | RESS AND COMMON | N LANDMA | RKS - PLS | S (SECTION, TO | WNSHJIP, RANGE) WH | ERE AV | AILABLE | | |
| 1. G | D 20010111 | | 10 1122 200111011 10 | | | | | . (0_0,1,0,1,0,1,0,1,0,1,0,1,0,1,0,1,0,1,0, | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| | | | | | | | | | | | | | |
| | LICENSE NO | D | NAME OF LICENSED | DRILLER | | | | | NAME OF WELL DR | LLING | COMPANY | | |
| | 124 | 49 | | , | Jackie D. Atkins | 3 | | | Atkins Eng | ineerin | ig Associates, I | nc. | |
| | DRILLING S | TARTED | DRILLING ENDED | DEPTH OF CO | MPLETED WELL (F | T) | BORE HOI | E DEPTH (FT) | DEPTH WATER FIR: | ST ENC | OUNTERED (FT) | | |
| | 09/10 | 0/20 | 09/10/20 | tempo | rary well materia | al | | 110 | | n/ | /a | | |
| | | | 1 | STATIC WATER LEVEL IN COMPLETED WELL (FT) | | | | | | | | | |
| 7 | COMPLETE | TED WELL IS: ARTESIAN TO DRY HOLE SHALLOW (UNCONFINED) | | | | | | | | | | | |
| 2. DRILLING & CASING INFORMATION | DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY: | | | | | | | | | | | | |
| [AA | DALLER TO THE TOTAL CO. A | | | | | | | | | | | | |
| SE | DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger | | | | | | | | | | | | |
| N | DEPTH | (feet bgl) | BORE HOLE | CASING | MATERIAL AND | D/OR | CA | SING | CASING | CAS | SING WALL | SLOT | |
| ဋ | FROM | то | DIAM | | GRADE | | | ECTION | INSIDE DIAM. | | HCKNESS | SIZE | |
| SIL | | | (inches) | | each casing string, sections of screen) | | | YPE ing diameter) | (inches) | | (inches) | (inches) | |
| Ž | 0 | 48 | ±8.5 | | Boring- HSA | | (-us voip | | | | | | |
| 8 9 | 48 | 110 | ±4.5 | Bo | oring- Air Rotary | | | | | | | | |
| | | | | <u> </u> | | | | | · · | | | | |
| Ħ | | | | | | | | | | | | | |
| 2. D | | | | | | | | | | | | | |
| ,,, | | | | - | | | | | | | | | |
| | | | | | | | | | | _ | | | |
| | | | | | | + | | | | - | | | |
| | | | | - | | | | | | | | | |
| | | | | | | | | | : | | | | |
| | | | | | | | | | | <u> </u> | | | |
| | DEPTH | (feet bgl) | BORE HOLE | Li | ST ANNULAR SI | EAL MAT | TERIAL A | ND | AMOUNT | - 1 | METHO | D OF | |
| Ψ | FROM | то | DIAM. (inches) | GRA | VEL PACK SIZE | -RANGE | BY INTE | RVAL | (cubic feet) | | PLACEM | IENT | |
| E | | | | | | | | | | | | | |
| ₹ | | | | | | | | | | $\neg \uparrow$ | | | |
| ⊼ | | | | | | | | | | | | | |
| ANNULAR MATERIAL | | | | | | | | | | - | | | |
| N. | | | | | | | | | | \dashv | | | |
| | | | + | | | | | | | \dashv | | | |
| સં | | | | | | | | | | \dashv | | | |
| | | <u> </u> | | | | | | | | | | | |
| FOR | OSE INTER | | | | T non are | | | WR-20 | WELL RECORD | LOG | (Version 06/30 | 0/17) | |

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.

| | | | 111-1 | | | | | | | | |
|------------------------------|--------------|------------|---------------------|---|--|---------------------------------------|-------------|----------|---------------------|---------|--|
| | DEPTH (i | reet bgl) | THICKNESS (feet) | INCLUDE WATI | ND TYPE OF MATERI ER-BEARING CAVITI pplemental sheets to fu | ES OR FRAC | TURE ZONE | s | WAT BEAR (YES | ING? | ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm) |
| | 0 | 30 | 30 | Sand. Medium | , poorly-graded with sil | t. no plasticity | . Red-Brown | \dashv | Y | ✓ N | Corner (Gran) |
| | 30 | 45 | 15 | | and, Medium, low plasti | | | | Y | √ N | |
| | 45 | 50 | 5 | | ı , poorly-graded, comp | | | | Y | √ N | |
| | 50 | 58 | 8 | | ell cemented with media | | | | Y | √ N | |
| | 58 | 73 | 15 | | ledium, Moderate plasti | | | | Y | √ N | |
| د | 73 | 78 | 5 | | clay layering, mod plas | | | hite | Y | √ N | |
| VEL | 78 | 83 | 5 | | Sand, Medium, poorly-graded, no plasticity, Light Brown | | | | | | |
| OF V | 83 | 88 | 5 | | Clayey Sand, Medium, Moderate plasticity, decreasing clay, Red Brown | | | | | | |
| ဗ္ဗ | 88 | 110 | 22 | | Fine , poorly-graded, no | · · · · · · · · · · · · · · · · · · · | | | Y | √ N | |
| CE | - 55 | | | | , p, | · p | | | Y | N | |
| <u> </u> | | | | | | | , | | Y | N | |
| EOL | | | | | | | | | Y | N | |
| 4. HYDROGEOLOGIC LOG OF WELL | | | | | | | | | Y | N | |
| <u> </u> | | | | | | | | | Y | N | |
| 4.1 | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | <u> </u> | | | | - | | Y | N | |
| | | | | | | | | | Y | N | |
| | | **** | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | METHOD U | SED TO ES | TIMATE YIELD | OF WATER-BEARIN | IG STRATA: | | | TOTA | AL ESTIN | ATED | |
| | PUMI | Па | IR LIFT | BAILER TO | THER - SPECIFY: | | | WEL | L YIELD | (gpm): | 0.00 |
| | | | |]»» | | | | | | | |
| VISION | WELL TES | | | ACH A COPY OF DAT ME, AND A TABLE S | | | | | | | |
| TEST; RIG SUPERVIS | MISCELLA | NEOUS INF | fe | emporary well materi et below ground surfi ogs adapted from LTI | ace, then hydrated be | | | | | | |
| TEST | PRINT NAM | (E(S) OF D | RILL RIG SUPER | RVISOR(S) THAT PRO | OVIDED ONSITE SUP | ERVISION O | F WELL CON | STRUC | CTION O | THER TH | AN LICENSEE: |
| 5.7 | Shane Eldric | lge | | | | | | | | | |
| 6. SIGNATURE | CORRECT I | RECORD OF | F THE ABOVE D | TIES THAT, TO THE EDESCRIBED HOLE AND DAYS AFTER COM | ND THAT HE OR SHE | WILL FILE | | | | | |
| SIGN | Jack A | tkins | | Ja | nckie D. Atkins | | | | 10/07 | 7/2020 | |
| • | _ | SIGNAT | URE OF DRILLE | ER / PRINT SIGNEE | NAME | | | | | DATE | |
| FO | R OSE INTERI | VALUE | | · | | | WR_20 WE | 11 05/ | ግር የሆነ ል | 1 OG W~ | rsion 06/30/2017) |
| | | -4º | 174 | | POD NO. | 7 | TRN NO. | | 77 | | .s.ou 00/30/2017) |

LOCATION

2020-10-05_C-4474POD1_OSE_Well Record and Log-forsign

Final Audit Report 2020-10-07

Created:

2020-10-07

By:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAEYXgwvt48YpaHuiUB0eJVri0E9M1MV9m

"2020-10-05_C-4474POD1_OSE_Well Record and Log-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2020-10-07 4:31:15 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2020-10-07 4:32:21 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2020-10-07 4:34:37 PM GMT- IP address: 74.50.153.115
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2020-10-07 4:36:23 PM GMT Time Source: server- IP address: 74.50.153.115
- Agreement completed.
 2020-10-07 4:36:23 PM GMT





2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

162 IV 3016 Jaza 2531.

10/07/2020

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4474 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4474 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gran Whole



APPENDIX B

Photographic Log



Photographic Log
XTO Energy, Inc
PLU Pierce Canyon 28 Battery
nAPP2233349315





Photograph 1 Date: 1/9/2023 Description: Site assessment activities, flare stack.

View: Northwest

Photograph 2 Date: 1/23/2023 Description: Site assessment activities, release extent.

View: Northwest





Photograph 3 Date: 1/23/2023
Description: Site assessment activities, release extent.

View: Southeast

Photograph 4 Date: 1/23/2023 Description: Site assessment activities, release extent.

View: South



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/26/2023 3:23:21 PM

JOB DESCRIPTION

PLU PC 28 SDG NUMBER 03C1558153

JOB NUMBER

890-3918-1

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 1/26/2023 3:23:21 PM

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

Companies

Page 2 of 38

Client: Ensolum
Project/Site: PLU PC 28
Laboratory Job ID: 890-3918-1
SDG: 03C1558153

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| | | |
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| | | |

Definitions/Glossary

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| 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. |
| HPI C/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. |
| a | 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) |
| Dil Fac DL DL, RA, RE, IN DLC EDL LOD | Dilution Factor Detection Limit (DoD/DOE) Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample Decision Level Concentration (Radiochemistry) Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) |

| MCL | EPA recommended "Maximum Contaminant Level" |
|-----|---|
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| MI | Minimum Level (Dioxin) |

| WIDE | Welliod 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 (Ra | diochemistry) |
|----|--|---------------|
|----|--|---------------|

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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

Job ID: 890-3918-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3918-1

Receipt

The samples were received on 1/23/2023 1:28 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 5.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3918-1), SS02 (890-3918-2), SS03 (890-3918-3), SS04 (890-3918-4), SS05 (890-3918-5), SS06 (890-3918-6), SS07 (890-3918-7), SS08 (890-3918-8), SS09 (890-3918-9), SS10 (890-3918-10) and SS11 (890-3918-11).

GC VOA

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

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SS08 (890-3918-8), (880-24038-A-1-F MS) and (880-24038-A-1-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44697 and analytical batch 880-44714 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: (LCS 880-44697/2-A) and (880-24037-A-21-E MS). 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

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44710 and analytical batch 880-44772 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

Client Sample ID: SS01 Lab Sample ID: 890-3918-1 Matrix: Solid

Date Collected: 01/23/23 10:20 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|---|--|-------------------------------|----------|---|--|---------------------------------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| 1,4-Difluorobenzene (Surr) | 117 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 14:13 | 1 |
| Method: TAL SOP Total BTEX - | Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | < 0.00404 | | 0.00404 | | | | 01/24/23 15:43 | |
| Total BTEX | | | | mg/Kg | | | | |
| : Method: SW846 8015 NM - Diese | • | | | 99 | | | | |
| Method: SW846 8015 NM - Diese Analyte | Result | Qualifier | GC) | Unit | <u>D</u> | Prepared | Analyzed | Dil Fac |
| : Method: SW846 8015 NM - Diese | • | Qualifier | GC) | | <u>D</u> | Prepared | | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte | Result <50.0 | Qualifier U | RL 50.0 | Unit | <u>D</u> | Prepared | Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH | Result <50.0 sel Range Orga | Qualifier U | RL 50.0 | Unit | <u>D</u> | Prepared Prepared | Analyzed | |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die | Result <50.0 sel Range Orga | Qualifier Unics (DRO) Qualifier | RL 50.0 | Unit mg/Kg | <u> </u> | <u> </u> | Analyzed 01/26/23 14:54 | 1 |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics | Result <50.0 sel Range Orga | Qualifier U nics (DRO) Qualifier U | SC) RL 50.0 (GC) RL | Unit mg/Kg | <u> </u> | Prepared | Analyzed 01/26/23 14:54 Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <50.0 sel Range Orga Result <50.0 | Qualifier U nics (DRO) Qualifier U | (GC) RL 50.0 RL 50.0 | Unit mg/Kg Unit mg/Kg | <u> </u> | Prepared 01/25/23 08:39 | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:39 01/25/23 08:39 | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 01/25/23 18:08 | 1 Dil Fac 1 1 |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <50.0 | Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 50.0 | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:39 01/25/23 08:39 01/25/23 08:39 | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 01/25/23 18:08 | Dil Fac 1 1 Dil Fac Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | Result | Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:39 01/25/23 08:39 01/25/23 08:39 Prepared | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 01/25/23 18:08 Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result | Qualifier U nics (DRO) Qualifier U U Qualifier | RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:39 01/25/23 08:39 01/25/23 08:39 Prepared 01/25/23 08:39 | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 01/25/23 18:08 Analyzed 01/25/23 18:08 | 1 Dil Fac 1 |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U nics (DRO) Qualifier U U Qualifier | RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:39 01/25/23 08:39 01/25/23 08:39 Prepared 01/25/23 08:39 | Analyzed 01/26/23 14:54 Analyzed 01/25/23 18:08 01/25/23 18:08 Analyzed 01/25/23 18:08 | 1 Dil Fac 1 1 1 1 Dil Fac 1 |

Client Sample ID: SS02 Lab Sample ID: 890-3918-2

Date Collected: 01/23/23 10:25 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 14:34 | 1 |

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Matrix: Solid

Job ID: 890-3918-1

Client: Ensolum Project/Site: PLU PC 28 SDG: 03C1558153

Client Sample ID: SS02 Lab Sample ID: 890-3918-2

Date Collected: 01/23/23 10:25 Matrix: Solid Date Received: 01/23/23 13:28

Sample Depth: 0.5'

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

| Surrogate | %Recovery Qualifi | ïer Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------------|------------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 116 | 70 - 130 | 01/24/23 09:38 | 01/24/23 14:34 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|------------------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 11 | 0.00398 | ma/Ka | | | 01/24/23 15:43 | 1 |

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

| Michiga. Offoro ou to Min - Dieser I | tange Organics (Div | (00) | | | | | |
|--------------------------------------|---------------------|-------|-------|---|----------|----------------|---------|
| Analyte | Result Qualifie | er RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <50.0 II | 50.0 | ma/Ka | | | 01/26/23 14:54 | 1 |

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

| | | (=::=) | () | | | | | |
|---|-----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:31 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:31 | 1 |
| Surrogate | %Pecovery | Qualifier | l imite | | | Propared | Analyzod | Dil Eac |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 87 | | 70 - 130 | 01/25/23 08:39 | 01/25/23 18:31 | 1 |
| o-Terphenyl | 88 | | 70 - 130 | 01/25/23 08:39 | 01/25/23 18:31 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result Qua | lifier RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------|-----------|-------|---|----------|----------------|---------|
| Chloride | 12.5 | 5.00 | mg/Kg | | | 01/25/23 22:27 | 1 |

Client Sample ID: SS03 Lab Sample ID: 890-3918-3

Date Collected: 01/23/23 10:30 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Markland, CIMO 40 00 | 21B - Volatile Organic | O |
|----------------------|-------------------------|---------------------|
| IVIATOON' SVVXAN XII | 21B - Volatile Circanic | L.Omnollings (Lat.) |
| | | |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 14:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Anaiyzea | DII Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | 01/24/23 09:38 | 01/24/23 14:54 | 1 |
| 1,4-Difluorobenzene (Surr) | 116 | | 70 - 130 | 01/24/23 09:38 | 01/24/23 14:54 | 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 | ma/Ka | | | 01/24/23 15:43 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 01/26/23 14:54 | 1 |

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Matrix: Solid

Job ID: 890-3918-1

Client: Ensolum Project/Site: PLU PC 28 SDG: 03C1558153

Client Sample ID: SS03 Lab Sample ID: 890-3918-3 Matrix: Solid

Date Collected: 01/23/23 10:30 Date Received: 01/23/23 13:28 Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:53 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:53 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 18:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 83 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 18:53 | 1 |
| o-Terphenyl | 84 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 18:53 | 1 |

| ۱ | Method. MCAVVV 300.0 - Amons, it | on Cinomato | grapity - 30 | luble | | | | | |
|---|----------------------------------|-------------|--------------|-------|-------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Chloride | <4.97 | U | 4.97 | mg/Kg | | | 01/25/23 22:32 | 1 |

Lab Sample ID: 890-3918-4 Client Sample ID: SS04 Date Collected: 01/23/23 10:35 Matrix: Solid

Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|----------|--|---|---------------------------------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| o-Xylene | < 0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 116 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:15 | 1 |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dirrac |
| Total BTEX Method: SW846 8015 NM - Diese | <0.00398 | ics (DRO) (| 0.00398 GC) | mg/Kg | | | 01/25/23 14:05 | 1 |
| Total BTEX | <0.00398 | ics (DRO) (C | 0.00398 | | D | Prepared | | 1 |
| Total BTEX Method: SW846 8015 NM - Diese Analyte | <0.00398 I Range Organ Result <50.0 sel Range Orga | ics (DRO) ((Qualifier | 0.00398 GC) RL 50.0 | mg/Kg | | | 01/25/23 14:05 Analyzed | Dil Fac |
| Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese | <0.00398 I Range Organ Result <50.0 sel Range Orga | ics (DRO) ((Qualifier U) | 0.00398 GC) RL 50.0 (GC) | mg/Kg Unit mg/Kg | <u>D</u> | Prepared | 01/25/23 14:05 Analyzed 01/26/23 14:54 | Dil Fac |
| Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics | <0.00398 I Range Organ Result <p><50.0</p> sel Range Orga Result | ics (DRO) ((Qualifier U) mics (DRO) Qualifier U Qualifier U | 0.00398 GC) RL 50.0 (GC) RL | mg/Kg Unit mg/Kg Unit | <u>D</u> | Prepared Prepared | 01/25/23 14:05 Analyzed 01/26/23 14:54 Analyzed | Dil Fac |
| Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | <0.00398 I Range Organ Result <50.0 sel Range Orga Result <50.0 | ics (DRO) (CQualifier Umics (DRO) Qualifier Umics (DRO) Qualifier U | 0.00398 RL 50.0 (GC) RL 50.0 | mg/Kg Unit mg/Kg Unit mg/Kg | <u>D</u> | Prepared Prepared 01/25/23 08:39 | 01/25/23 14:05 Analyzed 01/26/23 14:54 Analyzed 01/25/23 19:14 | Dil Fac Dil Fac |
| Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | <0.00398 I Range Organ | ics (DRO) (CQualifier Umics (DRO) Qualifier Umics (DRO) Qualifier Umum Umm Umm Umm Umm Umm Umm Umm Umm Um | 0.00398 RL 50.0 (GC) RL 50.0 50.0 | unit mg/Kg Unit mg/Kg unit mg/Kg mg/Kg | <u>D</u> | Prepared Prepared 01/25/23 08:39 01/25/23 08:39 | Analyzed 01/25/23 14:05 Analyzed 01/26/23 14:54 Analyzed 01/25/23 19:14 01/25/23 19:14 | Dil Fac Dil Fac 1 |
| Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | <0.00398 I Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 | ics (DRO) (CQualifier Umics (DRO) Qualifier Umics (DRO) Qualifier Umum Umm Umm Umm Umm Umm Umm Umm Umm Um | 0.00398 RL 50.0 (GC) RL 50.0 50.0 50.0 | unit mg/Kg Unit mg/Kg unit mg/Kg mg/Kg | <u>D</u> | Prepared Prepared 01/25/23 08:39 01/25/23 08:39 | Analyzed 01/25/23 14:05 Analyzed 01/26/23 14:54 Analyzed 01/25/23 19:14 01/25/23 19:14 | Dil Fac Dil Fac 1 Dil Fac 1 |

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Matrix: Solid

Lab Sample ID: 890-3918-4

Client Sample Results

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

Client Sample ID: SS04

Date Collected: 01/23/23 10:35 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 13.9 | | 5.05 | mg/Kg | | | 01/25/23 22:37 | 1 |

Client Sample ID: SS05 Lab Sample ID: 890-3918-5 Matrix: Solid

Date Collected: 01/23/23 10:40 Date Received: 01/23/23 13:28

| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
|---|---------------------|---------------------------|--------------|-------|---|----------------|----------------|--------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| Xylenes, Total | <0.00396 | U | 0.00396 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:36 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:36 | |
| 1,4-Difluorobenzene (Surr) | 119 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:36 | |
| Method: TAL SOP Total BTEX - T | otal BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00396 | U | 0.00396 | mg/Kg | | | 01/25/23 14:05 | |
| Method: SW846 8015 NM - Diese | l Pange Organ | ics (DRO) ((| sc) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/26/23 14:54 | |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 19:37 | |
| (GRO)-C6-C10 Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 19:37 | |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 19:37 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 85 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 19:37 | |
| | 84 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 19:37 | |
| o-Terphenyl | 04 | | | | | | | |
| o-Terphenyl Method: MCAWW 300.0 - Anions | | graphy - So | oluble | | | | | |
| , , | , Ion Chromato | ography - So Qualifier | oluble RL | Unit | D | Prepared | Analyzed | Dil Fa |

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Client Sample Results

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Client Sample ID: SS06

Lab Sample ID: 890-3918-6

Date Collected: 01/23/23 10:45

Date Received: 01/23/23 13:28

Matrix: Solid

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|-----------------------------------|----------------------------------|----------------|----------|--|--|---------------------------------------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 114 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 15:56 | 1 |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 01/25/23 14:05 | 1 |
| - Method: SW846 8015 NM - Diese | l Panga Organ | ice (DBO) (| CC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | - ************************************ | | 49.9 | mg/Kg | | | 01/26/23 14:54 | 1 |
| | | | | 99 | | | | • |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:01 | DII Fac |
| (GRO)-C6-C10 | | | | | | | | 1 |
| | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:01 | 1 |
| C10-C28) | | | | | | | 01/25/23 20:01 | 1 |
| 5 5 · | <49.9 <49.9 | | 49.9 49.9 | mg/Kg mg/Kg | | 01/25/23 08:39 01/25/23 08:39 | | |
| C10-C28) | | U | | | | | 01/25/23 20:01 | 1 |
| C10-C28) OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | | 01/25/23 08:39 | 01/25/23 20:01 01/25/23 20:01 | 1 |
| C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | <49.9 %Recovery | U | 49.9 | | | 01/25/23 08:39 Prepared | 01/25/23 20:01 01/25/23 20:01 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | <49.9 **Recovery 90 93 | U Qualifier | 49.9 Limits 70 - 130 70 - 130 | | | 01/25/23 08:39 Prepared 01/25/23 08:39 | 01/25/23 20:01 01/25/23 20:01 Analyzed 01/25/23 20:01 | 1 1 1 Dil Fac |
| C10-C28) Oll Range Organics (Over C28-C36) Surrogate | <49.9 %Recovery 90 93 s, lon Chromato | Qualifier ography - So Qualifier | 49.9 Limits 70 - 130 70 - 130 | | <u>D</u> | 01/25/23 08:39 Prepared 01/25/23 08:39 | 01/25/23 20:01 01/25/23 20:01 Analyzed 01/25/23 20:01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

Client Sample ID: SS07 Lab Sample ID: 890-3918-7

Date Collected: 01/23/23 10:50 Date Received: 01/23/23 13:28

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 | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 18:48 | 1 |

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Matrix: Solid

Job ID: 890-3918-1 SDG: 03C1558153

Client Sample ID: SS07 Lab Sample ID: 890-3918-7

Date Collected: 01/23/23 10:50 Matrix: Solid Date Received: 01/23/23 13:28

Sample Depth: 0.5'

Client: Ensolum

Project/Site: PLU PC 28

| Method: SW846 8021B - Vo | /olatile Organic Compounds | (GC) (Continued) |
|--------------------------|----------------------------|------------------|
|--------------------------|----------------------------|------------------|

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|---------------------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 116 | 70 - 130 | 01/24/23 09:38 | 01/24/23 18:48 | 1 |

| Method: TAL SOP Total BTEX - Total BTE | X Calculation |
|--|---------------|

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | < 0.00398 | U | 0.00398 | ma/Ka | | | 01/25/23 14:05 | 1 |

| Mathada OMO40 0045 NM Disasi Damas Omenica (DDO) (OO | Α. |
|---|-----|
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC | . 1 |
| | |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/26/23 14:54 | 1 |

| Method: SW846 8015B | NM - Diesel Rand | ne Organics | (DRO) | (GC) |
|-----------------------|---------------------|-------------|--------|------|
| Method. 344040 00 13D | IAIM - DIESEL IVALI | ge Organics | (DICO) | (90) |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|--------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:26 | 1 |
| OII Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|---------------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 80 | 70 - 130 | 01/25/23 08:39 | 01/25/23 20:26 | 1 |
| o-Terphenyl | 81 | 70 - 130 | 01/25/23 08:39 | 01/25/23 20:26 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/25/23 23:01 | 1 |

Client Sample ID: SS08 Lab Sample ID: 890-3918-8

Date Collected: 01/23/23 10:55 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Method: SW846 8021B - | M-1-4!1- O | 0 (00) |
|-----------------------|------------|--------|
| | | |
| | | |

| Organic Comp | | , | | | | | |
|--------------|-----------|--------------------|--------------------------|---|---|--|---|
| Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 101 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 19:09 | 1 |
| | Result | Result Qualifier | <pre><0.00199 U</pre> | Result Qualifier RL Unit <0.00199 | Result Qualifier RL Unit D <0.00199 | Result Qualifier RL Unit D Prepared <0.00199 | Result Qualifier RL Unit D Prepared Analyzed <0.00199 U |

| Surrogate | %Recovery | Qualifier | Limits | Prep | ared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|---------------------|---------|---------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | 01/24/2 | 3 09:38 | 01/24/23 19:09 | 1 |
| 1.4-Difluorobenzene (Surr) | 113 | | 70 ₋ 130 | 01/24/2 | 3 09:38 | 01/24/23 19:09 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/25/23 14:05 | 1 |

| | ļ | 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 | | | 01/26/23 14:54 | 1 |

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Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Client Sample ID: SS08 Lab Sample ID: 890-3918-8

Date Collected: 01/23/23 10:55 Matrix: Solid
Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Method: SW846 8015B NM - Dies | el Range Orga | nics (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 | | 01/25/23 08:39 | 01/25/23 20:51 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:51 | , |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 20:51 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 64 | S1- | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 20:51 | |
| o-Terphenyl | 64 | S1- | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 20:51 | 1 |
| Method: MCAWW 300.0 - Anions | , Ion Chromato | ography - S | oluble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <5.02 | U | 5.02 | mg/Kg | | | 01/25/23 23:06 | 1 |

Client Sample ID: SS09 Lab Sample ID: 890-3918-9

Date Collected: 01/23/23 11:00 Matrix: Solid

Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|----------------|-------------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| 1,4-Difluorobenzene (Surr) | 119 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 19:29 | 1 |
| Method: TAL SOP Total BTEX - 1 | otal BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 01/25/23 14:05 | 1 |
| Method: SW846 8015 NM - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 01/26/23 14:54 | 1 |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:19 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:19 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 80 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 21:19 | 1 |
| | | | | | | | | |

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Job ID: 890-3918-1

Client: Ensolum Project/Site: PLU PC 28 SDG: 03C1558153

Client Sample ID: SS09

Date Collected: 01/23/23 11:00 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Lab Sample | ID: 890-3918-9 |
|------------|----------------|
|------------|----------------|

Matrix: Solid

| Method: MCAWW 300.0 - Anions, lo | on Chromato | graphy - Soli | uble | | | | | |
|----------------------------------|-------------|---------------|------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 14.1 | | 5.01 | mg/Kg | | | 01/25/23 23:11 | 1 |

Client Sample ID: SS10 Lab Sample ID: 890-3918-10 Matrix: Solid

Date Collected: 01/23/23 11:05 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104 | | 70 _ 130 | | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 118 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 19:50 | 1 |

| Method: IAL SOP Total BTEX - Tot | al BIEX Calculation | | | | | | |
|----------------------------------|---------------------|---------|-------|---|----------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 U | 0.00398 | mg/Kg | | | 01/25/23 14:05 | 1 |
| _ | | | | | | | |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) | | | | | | | | | |
|--|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 01/26/23 14:54 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:42 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 01/25/23 08:39 | 01/25/23 21:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 88 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 21:42 | 1 |
| o-Terphenyl | 89 | | 70 - 130 | | | 01/25/23 08:39 | 01/25/23 21:42 | 1 |

| Method: MCAWW 300.0 - Anions, Id | on Chromato | graphy - So | oluble | | | | | |
|----------------------------------|-------------|-------------|--------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 12.1 | | 5.00 | mg/Kg | | | 01/25/23 23:15 | 1 |

Matrix: Solid

Lab Sample ID: 890-3918-11

Client Sample Results

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Client Sample ID: SS11

Date Collected: 01/23/23 11:10 Date Received: 01/23/23 13:28

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|---|--|---------------------------|--------------|--|--|------------------------------------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| Ethylbenzene | < 0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| o-Xylene | < 0.00199 | U | 0.00199 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| 1,4-Difluorobenzene (Surr) | 119 | | 70 - 130 | | | 01/24/23 09:38 | 01/24/23 20:11 | 1 |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 01/25/23 14:05 | 1 |
| Method: SW846 8015 NM - Diese | N Banga Organ | : (DDO) (| 20) | | | | | |
| Michiga. Offoro ou to Min - Dicac | i Kaliye Organ | ics (DRO) (i | GC) | | | | | |
| Analyte | • | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | • | Qualifier | • | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 01/26/23 15:15 | Dil Fac |
| Analyte Total TPH | Result <49.9 | Qualifier U | RL 49.9 | | <u> </u> | Prepared | | |
| Analyte | Result <49.9 sel Range Orga | Qualifier U | RL 49.9 | | <u>D</u> | Prepared Prepared | | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | Result <49.9 sel Range Orga | Qualifier Unics (DRO) Qualifier | RL 49.9 | mg/Kg | <u> </u> | <u> </u> | 01/26/23 15:15 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result <49.9 sel Range Orga Result | Qualifier U nics (DRO) Qualifier U | RL 49.9 (GC) | mg/Kg | <u> </u> | Prepared | 01/26/23 15:15 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <49.9 sel Range Orga Result <49.9 | Qualifier U nics (DRO) Qualifier U | (GC) RL 49.9 | mg/Kg Unit mg/Kg | <u> </u> | Prepared 01/25/23 08:41 | 01/26/23 15:15 Analyzed 01/25/23 16:38 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.9 | Qualifier U nics (DRO) Qualifier U U | RL 49.9 (GC) RL 49.9 49.9 | mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:41 01/25/23 08:41 | 01/26/23 15:15 Analyzed 01/25/23 16:38 01/25/23 16:38 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result | Qualifier U nics (DRO) Qualifier U U | RL 49.9 (GC) RL 49.9 49.9 | mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:41 01/25/23 08:41 01/25/23 08:41 | O1/26/23 15:15 Analyzed O1/25/23 16:38 O1/25/23 16:38 O1/25/23 16:38 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | Result <49.9 | Qualifier U nics (DRO) Qualifier U U | RL 49.9 (GC) RL 49.9 49.9 Limits | mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:41 01/25/23 08:41 01/25/23 08:41 Prepared | O1/26/23 15:15 Analyzed O1/25/23 16:38 O1/25/23 16:38 O1/25/23 16:38 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <49.9 | Qualifier U nics (DRO) Qualifier U U Qualifier | RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:41 01/25/23 08:41 01/25/23 08:41 Prepared 01/25/23 08:41 | 01/26/23 15:15 Analyzed 01/25/23 16:38 01/25/23 16:38 Analyzed 01/25/23 16:38 | Dil Fac 1 1 Dil Fac 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result <49.9 | Qualifier U nics (DRO) Qualifier U U Qualifier | RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 01/25/23 08:41 01/25/23 08:41 01/25/23 08:41 Prepared 01/25/23 08:41 | 01/26/23 15:15 Analyzed 01/25/23 16:38 01/25/23 16:38 Analyzed 01/25/23 16:38 | 1 Dil Fac 1 |

Surrogate Summary

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|----------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-23973-A-12-C MS | Matrix Spike | 98 | 112 | |
| 880-23973-A-12-D MSD | Matrix Spike Duplicate | 98 | 114 | |
| 890-3918-1 | SS01 | 104 | 117 | |
| 890-3918-2 | SS02 | 104 | 116 | |
| 890-3918-3 | SS03 | 104 | 116 | |
| 890-3918-4 | SS04 | 105 | 116 | |
| 890-3918-5 | SS05 | 103 | 119 | |
| 890-3918-6 | SS06 | 106 | 114 | |
| 890-3918-7 | SS07 | 96 | 116 | |
| 890-3918-8 | SS08 | 101 | 113 | |
| 890-3918-9 | SS09 | 107 | 119 | |
| 890-3918-10 | SS10 | 104 | 118 | |
| 890-3918-11 | SS11 | 105 | 119 | |
| LCS 880-44615/1-A | Lab Control Sample | 97 | 113 | |
| LCSD 880-44615/2-A | Lab Control Sample Dup | 98 | 117 | |
| MB 880-44615/5-A | Method Blank | 95 | 110 | |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits |
|----------------------|------------------------|----------|----------|---|
| | | 1CO1 | OTPH1 | |
| _ab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 380-24037-A-21-E MS | Matrix Spike | 77 | 68 S1- | |
| 380-24037-A-21-F MSD | Matrix Spike Duplicate | 93 | 79 | |
| 880-24038-A-1-F MS | Matrix Spike | 79 | 68 S1- | |
| 380-24038-A-1-G MSD | Matrix Spike Duplicate | 75 | 64 S1- | |
| 390-3918-1 | SS01 | 86 | 85 | |
| 390-3918-2 | SS02 | 87 | 88 | |
| 390-3918-3 | SS03 | 83 | 84 | |
| 390-3918-4 | SS04 | 102 | 106 | |
| 390-3918-5 | SS05 | 85 | 84 | |
| 390-3918-6 | SS06 | 90 | 93 | |
| 390-3918-7 | SS07 | 80 | 81 | |
| 390-3918-8 | SS08 | 64 S1- | 64 S1- | |
| 390-3918-9 | SS09 | 80 | 84 | |
| 390-3918-10 | SS10 | 88 | 89 | |
| 390-3918-11 | SS11 | 107 | 102 | |
| _CS 880-44696/2-A | Lab Control Sample | 95 | 93 | |
| _CS 880-44697/2-A | Lab Control Sample | 137 S1+ | 134 S1+ | |
| _CSD 880-44696/3-A | Lab Control Sample Dup | 90 | 93 | |
| _CSD 880-44697/3-A | Lab Control Sample Dup | 117 | 110 | |
| MB 880-44696/1-A | Method Blank | 100 | 98 | |
| MB 880-44697/1-A | Method Blank | 118 | 115 | |

Surrogate Summary

Client: Ensolum
Project/Site: PLU PC 28
OTPH = o-Terphenyl

Job ID: 890-3918-1 SDG: 03C1558153

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Client: Ensolum Job ID: 890-3918-1 SDG: 03C1558153 Project/Site: PLU PC 28

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44615/5-A

Analysis Batch: 44616

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44615

| | IVID | IVID | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 01/24/23 09:38 | 01/24/23 13:24 | • |
| | | | | | | | | |

MB MB

MD MD

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|-------------|-------------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | 70 - 130 | 01/24/23 09 | 38 01/24/23 13:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 110 | 70 - 130 | 01/24/23 09 | 38 01/24/23 13:24 | 1 |

Lab Sample ID: LCS 880-44615/1-A

Matrix: Solid

Analysis Batch: 44616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44615

| ı | | Spike | LCS | LCS | | | | %Rec | |
|---|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| | Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| | Benzene | 0.100 | 0.08435 | - | mg/Kg | | 84 | 70 - 130 | |
| | Toluene | 0.100 | 0.07727 | | mg/Kg | | 77 | 70 - 130 | |
| | Ethylbenzene | 0.100 | 0.07408 | | mg/Kg | | 74 | 70 - 130 | |
| | m-Xylene & p-Xylene | 0.200 | 0.1520 | | mg/Kg | | 76 | 70 - 130 | |
| | o-Xylene | 0.100 | 0.07447 | | mg/Kg | | 74 | 70 - 130 | |
| ı | | | | | | | | | |

LCS LCS

| Surrogate | %Recovery Qu | ualifier | Limits | | |
|-----------------------------|--------------|----------|----------|--|--|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | |

Lab Sample ID: LCSD 880-44615/2-A

Matrix: Solid

Analysis Batch: 44616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44615

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Benzene | 0.100 | 0.1100 | | mg/Kg | | 110 | 70 - 130 | 26 | 35 | |
| Toluene | 0.100 | 0.09982 | | mg/Kg | | 100 | 70 - 130 | 25 | 35 | |
| Ethylbenzene | 0.100 | 0.09762 | | mg/Kg | | 98 | 70 - 130 | 27 | 35 | |
| m-Xylene & p-Xylene | 0.200 | 0.1983 | | mg/Kg | | 99 | 70 - 130 | 26 | 35 | |
| o-Xylene | 0.100 | 0.09440 | | mg/Kg | | 94 | 70 - 130 | 24 | 35 | |

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 |
| 1 4-Difluorobenzene (Surr) | 117 | | 70 - 130 |

Lab Sample ID: 880-23973-A-12-C MS

Matrix: Solid

Analysis Batch: 44616

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

Prep Batch: 44615

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.00201 | U | 0.101 | 0.1060 | | mg/Kg | | 105 | 70 - 130 | |
| Toluene | <0.00201 | U | 0.101 | 0.09322 | | mg/Kg | | 92 | 70 - 130 | |

QC Sample Results

Job ID: 890-3918-1 Client: Ensolum Project/Site: PLU PC 28 SDG: 03C1558153

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

Lab Sample ID: 880-23973-A-12-C MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 44616

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Ethylbenzene | <0.00201 | U | 0.101 | 0.08971 | | mg/Kg | | 89 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1816 | | mg/Kg | | 90 | 70 - 130 | |
| o-Xylene | <0.00201 | U | 0.101 | 0.08803 | | mg/Kg | | 87 | 70 - 130 | |
| | | | | | | | | | | |

MS MS

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 |

Lab Sample ID: 880-23973-A-12-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 44616

Prep Type: Total/NA

Prep Batch: 44615

Prep Batch: 44615

Sample Sample Spike MSD MSD RPD Result Qualifier Result Qualifier RPD Limit Analyte Added Unit %Rec Limits Benzene <0.00201 U 0.0990 0.09459 mg/Kg 96 70 - 130 11 35 0.08030 Toluene <0.00201 U 0.0990 mg/Kg 81 70 - 130 15 35 Ethylbenzene <0.00201 U 0.0990 0.07459 75 70 - 130 18 35 mg/Kg 0.198 0.1505 70 - 130 m-Xylene & p-Xylene <0.00402 U mg/Kg 76 19 35 <0.00201 U 0.0990 0.07487 75 70 - 130 o-Xylene mg/Kg 16

MSD MSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 114 | | 70 - 130 |

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

Lab Sample ID: MB 880-44696/1-A

Matrix: Solid

Analysis Batch: 44706

| Client Sample ID: Method Blank |
|--------------------------------|
| Prep Type: Total/NA |

Prep Batch: 44696

Result Qualifier RL Unit Prepared Analyzed Dil Fac Analyte Gasoline Range Organics 01/25/23 08:39 <49.9 U 49.9 01/25/23 10:43 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 01/25/23 08:39 01/25/23 10:43 <49.9 U 49 9 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 01/25/23 08:39 01/25/23 10:43 mg/Kg

MB MB

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100 | | 70 - 130 | 01/25/23 08:39 | 01/25/23 10:43 | 1 |
| o-Terphenyl | 98 | | 70 - 130 | 01/25/23 08:39 | 01/25/23 10:43 | 1 |

Lab Sample ID: LCS 880-44696/2-A

Matrix: Solid

Analysis Batch: 44706

| Client Sample ID: I | Lab Control Sample |
|---------------------|---------------------|
| | Prep Type: Total/NA |

Prep Batch: 44696

| | Spike | LCS | LCS | | | | %Rec | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 999 | 812.5 | | mg/Kg | | 81 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 999 | 951.2 | | mg/Kg | | 95 | 70 - 130 | |
| C10-C28) | | | | | | | | |

Job ID: 890-3918-1 Client: Ensolum Project/Site: PLU PC 28 SDG: 03C1558153

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

LCS LCS

Lab Sample ID: LCS 880-44696/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 44706

Prep Type: Total/NA

Prep Batch: 44696

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 95 70 - 130 o-Terphenyl 93 70 - 130

Lab Sample ID: LCSD 880-44696/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 44706

Prep Type: Total/NA

Prep Batch: 44696

%Rec RPD Limits **RPD** Limit

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec 999 900.8 90 70 - 13010 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 934.5 94 mg/Kg 70 - 1302 20 C10-C28)

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 90 | | 70 - 130 |
| o-Terphenyl | 93 | | 70 - 130 |

Lab Sample ID: 880-24038-A-1-F MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 44706

Prep Type: Total/NA

Prep Batch: 44696

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 1000 909.8 mg/Kg 87 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 1000 1098 mg/Kg 108 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 79 68 S1-70 - 130 o-Terphenyl

Lab Sample ID: 880-24038-A-1-G MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 44706

Prep Type: Total/NA

Prep Batch: 44696

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD | |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics | <50.0 | U | 998 | 829.8 | | mg/Kg | | 79 | 70 - 130 | 9 | 20 | |
| (GRO)-C6-C10 | | | | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 998 | 1020 | | mg/Kg | | 101 | 70 - 130 | 7 | 20 | |
| C10 C20) | | | | | | | | | | | | |

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

| MSD | MSD | |
|-----------|-----------|----------|
| %Recovery | Qualifier | Limits |
| 75 | | 70 - 130 |
| 64 | S1- | 70 - 130 |

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

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

Lab Sample ID: MB 880-44697/1-A Client Sample ID: Method Blank

Analysis Batch: 44714

Matrix: Solid Prep Type: Total/NA Prep Batch: 44697

| | MB | MB | | | | | | |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:41 | 01/25/23 11:30 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:41 | 01/25/23 11:30 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 01/25/23 08:41 | 01/25/23 11:30 | 1 |
| | MB | MB | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 118 | | 70 - 130 | | | 01/25/23 08:41 | 01/25/23 11:30 | 1 |
| o-Terphenyl | 115 | | 70 - 130 | | | 01/25/23 08:41 | 01/25/23 11:30 | 1 |
| | | | | | | | | |

Lab Sample ID: LCS 880-44697/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Prep Batch: 44697

Analysis Batch: 44714

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 999 1044 105 70 - 130 mg/Kg (GRO)-C6-C10 999 Diesel Range Organics (Over 1077 mg/Kg 108 70 - 130C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 137 S1+ 70 - 130 o-Terphenyl 134 S1+ 70 - 130

Lab Sample ID: LCSD 880-44697/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 44714

| - | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 999 | 1063 | | mg/Kg | | 106 | 70 - 130 | 2 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 999 | 1251 | | mg/Kg | | 125 | 70 - 130 | 15 | 20 |
| C10-C28) | | | | | | | | | |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 117 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 880-24037-A-21-E MS Client Sample ID: Matrix Spike

Matrix: Solid

| Analysis Batch: 44714 | | | | | | | | | Prep | Batch: 44697 |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | <50.0 | U F2 | 1000 | 912.9 | | mg/Kg | | 87 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 1000 | 974.6 | | mg/Kg | | 97 | 70 - 130 | |
| C10-C28) | | | | | | | | | | |

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 44697

Prep Batch: 44697

Prep Type: Total/NA

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

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

Lab Sample ID: 880-24037-A-21-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 44714

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 77 | | 70 - 130 |
| o-Terphenyl | 68 | S1- | 70 - 130 |

Lab Sample ID: 880-24037-A-21-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

| Analysis Batch: 44714 | | | | | | | | | Prep | Batch: | 44697 |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|-------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U F2 | 998 | 1207 | F2 | mg/Kg | | 117 | 70 - 130 | 28 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 998 | 1148 | | mg/Kg | | 115 | 70 - 130 | 16 | 20 |

MSD MSD Surrogate %Recovery Qualifier Limits 93 70 - 130 1-Chlorooctane 79 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44710/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 44772

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 01/25/23 21:58 | 1 |

Lab Sample ID: LCS 880-44710/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 44772

| | Spike | LCS | LCS | | | | %Rec | |
|----------|---------|--------|-----------|-------|---|------|----------|------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | 250 | 268.9 | | ma/Ka | | 108 | 90 - 110 | |

Lab Sample ID: LCSD 880-44710/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 44772

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 266.1 | | mg/Kg | | 106 | 90 - 110 | 1 | 20 |

Lab Sample ID: 890-3918-1 MS **Client Sample ID: SS01 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 44772

Released to Imaging: 6/15/2023 11:58:01 AM

| Analysis Baton: 44772 | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|-----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | 9.73 | | 252 | 286.3 | | mg/Kg | | 110 | 90 - 110 | |

QC Sample Results

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3918-1 MSD

Matrix: Solid

Client Sample ID: SS01

Prep Type: Soluble

Analysis Batch: 44772

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD | |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Chloride | 9.73 | | 252 | 281.4 | | mg/Kg | _ | 108 | 90 - 110 | 2 | 20 | |

Lab Sample ID: 890-3918-11 MS

Matrix: Solid

Client Sample ID: SS11

Prep Type: Soluble

Analysis Batch: 44772

Sample Sample Spike MS MS %Rec Result Qualifier Added Limits Analyte Result Qualifier Unit D %Rec Chloride 10.5 F1 250 288.8 F1 mg/Kg 111 90 - 110

Lab Sample ID: 890-3918-11 MSD

Matrix: Solid

Client Sample ID: SS11

Prep Type: Soluble

Analysis Batch: 44772

Spike MSD MSD %Rec RPD Sample Sample Result Qualifier Added Limit Analyte Result Qualifier Unit Limits **RPD** Chloride 10.5 F1 250 281.0 108 90 - 110 mg/Kg

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Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

GC VOA

Prep Batch: 44615

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batcl |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | 5035 | _ |
| 890-3918-2 | SS02 | Total/NA | Solid | 5035 | |
| 890-3918-3 | SS03 | Total/NA | Solid | 5035 | |
| 890-3918-4 | SS04 | Total/NA | Solid | 5035 | |
| 890-3918-5 | SS05 | Total/NA | Solid | 5035 | |
| 890-3918-6 | SS06 | Total/NA | Solid | 5035 | |
| 890-3918-7 | SS07 | Total/NA | Solid | 5035 | |
| 890-3918-8 | SS08 | Total/NA | Solid | 5035 | |
| 890-3918-9 | SS09 | Total/NA | Solid | 5035 | |
| 890-3918-10 | SS10 | Total/NA | Solid | 5035 | |
| 890-3918-11 | SS11 | Total/NA | Solid | 5035 | |
| MB 880-44615/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-44615/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-44615/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-23973-A-12-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-23973-A-12-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 44616

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-2 | SS02 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-3 | SS03 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-4 | SS04 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-5 | SS05 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-6 | SS06 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-7 | SS07 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-8 | SS08 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-9 | SS09 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-10 | SS10 | Total/NA | Solid | 8021B | 44615 |
| 890-3918-11 | SS11 | Total/NA | Solid | 8021B | 44615 |
| MB 880-44615/5-A | Method Blank | Total/NA | Solid | 8021B | 44615 |
| LCS 880-44615/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 44615 |
| LCSD 880-44615/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 44615 |
| 880-23973-A-12-C MS | Matrix Spike | Total/NA | Solid | 8021B | 44615 |
| 880-23973-A-12-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 44615 |

Analysis Batch: 44675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | Total BTEX | |
| 890-3918-2 | SS02 | Total/NA | Solid | Total BTEX | |
| 890-3918-3 | SS03 | Total/NA | Solid | Total BTEX | |
| 890-3918-4 | SS04 | Total/NA | Solid | Total BTEX | |
| 890-3918-5 | SS05 | Total/NA | Solid | Total BTEX | |
| 890-3918-6 | SS06 | Total/NA | Solid | Total BTEX | |
| 890-3918-7 | SS07 | Total/NA | Solid | Total BTEX | |
| 890-3918-8 | SS08 | Total/NA | Solid | Total BTEX | |
| 890-3918-9 | SS09 | Total/NA | Solid | Total BTEX | |
| 890-3918-10 | SS10 | Total/NA | Solid | Total BTEX | |
| 890-3918-11 | SS11 | Total/NA | Solid | Total BTEX | |

Client: Ensolum Job ID: 890-3918-1 Project/Site: PLU PC 28 SDG: 03C1558153

GC Semi VOA

Prep Batch: 44696

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-2 | SS02 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-3 | SS03 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-4 | SS04 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-5 | SS05 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-6 | SS06 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-7 | SS07 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-8 | SS08 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-9 | SS09 | Total/NA | Solid | 8015NM Prep | |
| 890-3918-10 | SS10 | Total/NA | Solid | 8015NM Prep | |
| MB 880-44696/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-44696/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-44696/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-24038-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-24038-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Prep Batch: 44697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 890-3918-11 | SS11 | Total/NA | Solid | 8015NM Prep | |
| MB 880-44697/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-44697/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-44697/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-24037-A-21-E MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-24037-A-21-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 44706

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-2 | SS02 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-3 | SS03 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-4 | SS04 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-5 | SS05 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-6 | SS06 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-7 | SS07 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-8 | SS08 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-9 | SS09 | Total/NA | Solid | 8015B NM | 44696 |
| 890-3918-10 | SS10 | Total/NA | Solid | 8015B NM | 44696 |
| MB 880-44696/1-A | Method Blank | Total/NA | Solid | 8015B NM | 44696 |
| LCS 880-44696/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 44696 |
| LCSD 880-44696/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 44696 |
| 880-24038-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 44696 |
| 880-24038-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 44696 |

Analysis Batch: 44714

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-3918-11 | SS11 | Total/NA | Solid | 8015B NM | 44697 |
| MB 880-44697/1-A | Method Blank | Total/NA | Solid | 8015B NM | 44697 |
| LCS 880-44697/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 44697 |
| LCSD 880-44697/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 44697 |
| 880-24037-A-21-E MS | Matrix Spike | Total/NA | Solid | 8015B NM | 44697 |
| 880-24037-A-21-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 44697 |

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 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

GC Semi VOA

Analysis Batch: 44834

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3918-1 | SS01 | Total/NA | Solid | 8015 NM | |
| 890-3918-2 | SS02 | Total/NA | Solid | 8015 NM | |
| 890-3918-3 | SS03 | Total/NA | Solid | 8015 NM | |
| 890-3918-4 | SS04 | Total/NA | Solid | 8015 NM | |
| 890-3918-5 | SS05 | Total/NA | Solid | 8015 NM | |
| 890-3918-6 | SS06 | Total/NA | Solid | 8015 NM | |
| 890-3918-7 | SS07 | Total/NA | Solid | 8015 NM | |
| 890-3918-8 | SS08 | Total/NA | Solid | 8015 NM | |
| 890-3918-9 | SS09 | Total/NA | Solid | 8015 NM | |
| 890-3918-10 | SS10 | Total/NA | Solid | 8015 NM | |
| 890-3918-11 | SS11 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 44710

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3918-1 | SS01 | Soluble | Solid | DI Leach | |
| 890-3918-2 | SS02 | Soluble | Solid | DI Leach | |
| 890-3918-3 | SS03 | Soluble | Solid | DI Leach | |
| 890-3918-4 | SS04 | Soluble | Solid | DI Leach | |
| 890-3918-5 | SS05 | Soluble | Solid | DI Leach | |
| 890-3918-6 | SS06 | Soluble | Solid | DI Leach | |
| 890-3918-7 | SS07 | Soluble | Solid | DI Leach | |
| 890-3918-8 | SS08 | Soluble | Solid | DI Leach | |
| 890-3918-9 | SS09 | Soluble | Solid | DI Leach | |
| 890-3918-10 | SS10 | Soluble | Solid | DI Leach | |
| 890-3918-11 | SS11 | Soluble | Solid | DI Leach | |
| MB 880-44710/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-44710/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-44710/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3918-1 MS | SS01 | Soluble | Solid | DI Leach | |
| 890-3918-1 MSD | SS01 | Soluble | Solid | DI Leach | |
| 890-3918-11 MS | SS11 | Soluble | Solid | DI Leach | |
| 890-3918-11 MSD | SS11 | Soluble | Solid | DI Leach | |

Analysis Batch: 44772

Released to Imaging: 6/15/2023 11:58:01 AM

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3918-1 | SS01 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-2 | SS02 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-3 | SS03 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-4 | SS04 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-5 | SS05 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-6 | SS06 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-7 | SS07 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-8 | SS08 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-9 | SS09 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-10 | SS10 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-11 | SS11 | Soluble | Solid | 300.0 | 44710 |
| MB 880-44710/1-A | Method Blank | Soluble | Solid | 300.0 | 44710 |
| LCS 880-44710/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 44710 |
| LCSD 880-44710/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 44710 |

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 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

HPLC/IC (Continued)

Analysis Batch: 44772 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 890-3918-1 MS | SS01 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-1 MSD | SS01 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-11 MS | SS11 | Soluble | Solid | 300.0 | 44710 |
| 890-3918-11 MSD | SS11 | Soluble | Solid | 300.0 | 44710 |

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Client: Ensolum Project/Site: PLU PC 28

Date Collected: 01/23/23 10:20 Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 14:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/24/23 15:43 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 18:08 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 22:12 | CH | EET MID |

Client Sample ID: SS02 Lab Sample ID: 890-3918-2

Date Collected: 01/23/23 10:25 Date Received: 01/23/23 13:28

Matrix: Solid

Dil Initial Final Batch Batch Prep Type Туре Method Run Factor Amount Amount Prep 5035 Total/NA 5.02 g 5 mL Total/NA 8021B 5 mL Analysis 1 5 mL

Batch Prepared Number or Analyzed Analyst Lab 44615 01/24/23 09:38 MNR EET MID **EET MID** 44616 01/24/23 14:34 MNR Total/NA Total BTEX 44675 01/24/23 15:43 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 44834 01/26/23 14:54 ΑJ **EET MID** Total/NA 44696 Prep 8015NM Prep 10.01 g 10 mL 01/25/23 08:39 DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 44706 01/25/23 18:31 ΑJ **EET MID** Soluble 44710 KS Leach DI Leach 5 g 50 mL 01/25/23 09:37 **EET MID** Soluble Analysis 300.0 44772 01/25/23 22:27 СН **EET MID**

Client Sample ID: SS03 Lab Sample ID: 890-3918-3 **Matrix: Solid**

Date Collected: 01/23/23 10:30 Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 14:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/24/23 15:43 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 18:53 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 22:32 | CH | EET MID |

Client Sample ID: SS04 Lab Sample ID: 890-3918-4

Date Collected: 01/23/23 10:35 Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 15:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |

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Matrix: Solid

Lab Chronicle

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Client Sample ID: SS04 Lab Sample ID: 890-3918-4

Date Collected: 01/23/23 10:35
Date Received: 01/23/23 13:28
Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 19:14 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 22:37 | СН | EET MID |

Client Sample ID: SS05

Date Collected: 01/23/23 10:40

Lab Sample ID: 890-3918-5

Matrix: Solid

Date Collected: 01/23/23 10:40
Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 15:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 19:37 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 22:41 | CH | EET MID |

Client Sample ID: SS06 Lab Sample ID: 890-3918-6

Date Collected: 01/23/23 10:45

Date Received: 01/23/23 13:28

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 15:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 20:01 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 22:56 | CH | EET MID |

Client Sample ID: SS07 Lab Sample ID: 890-3918-7

Date Collected: 01/23/23 10:50

Date Received: 01/23/23 13:28

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 18:48 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 20:26 | AJ | EET MID |

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Job ID: 890-3918-1

SDG: 03C1558153

Lab Sample ID: 890-3918-7

Matrix: Solid

Matrix: Solid

Client Sample ID: SS07

Client: Ensolum Project/Site: PLU PC 28

Date Collected: 01/23/23 10:50 Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 23:01 | CH | EET MID |

Client Sample ID: SS08 Lab Sample ID: 890-3918-8

Date Collected: 01/23/23 10:55 Date Received: 01/23/23 13:28

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 5.02 g 44615 01/24/23 09:38 MNR EET MID Prep 5 mL Total/NA 8021B 5 mL 5 mL 44616 01/24/23 19:09 MNR Analysis 1 **EET MID** Total/NA Total BTEX 44675 01/25/23 14:05 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 44834 01/26/23 14:54 ΑJ **EET MID** Total/NA 44696 01/25/23 08:39 EET MID Prep 8015NM Prep 10.02 g 10 mL DM 8015B NM **EET MID** Total/NA Analysis 1 uL 1 uL 44706 01/25/23 20:51 ΑJ Soluble DI Leach 4.98 g 50 mL 44710 01/25/23 09:37 KS **EET MID** Leach 300.0 44772 01/25/23 23:06 СН **EET MID** Soluble Analysis 1

Client Sample ID: SS09 Lab Sample ID: 890-3918-9

Date Collected: 01/23/23 11:00 **Matrix: Solid** Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 19:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 21:19 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 23:11 | CH | EET MID |

Client Sample ID: SS10 Lab Sample ID: 890-3918-10

Date Collected: 01/23/23 11:05 Matrix: Solid Date Received: 01/23/23 13:28

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 19:50 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 14:54 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 44696 | 01/25/23 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44706 | 01/25/23 21:42 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 23:15 | CH | EET MID |

Lab Chronicle

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Client Sample ID: SS11 Lab Sample ID: 890-3918-11

Date Collected: 01/23/23 11:10

Date Received: 01/23/23 13:28

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 44615 | 01/24/23 09:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 44616 | 01/24/23 20:11 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 44675 | 01/25/23 14:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 44834 | 01/26/23 15:15 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 44697 | 01/25/23 08:41 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 44714 | 01/25/23 16:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 44710 | 01/25/23 09:37 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 44772 | 01/25/23 23:20 | CH | EET MID |

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date |
|---|---------------------------------|----------------------------------|---|---------------------------|
| Texas | NE | ELAP | T104704400-22-25 | 06-30-23 |
| The following analytes | are included in this report, bu | it the laboratory is not certifi | ed by the governing authority. This list ma | av include analytes for y |
| the agency does not of | fer certification. | • | , , , | ., |
| the agency does not of Analysis Method | fer certification. Prep Method | Matrix | Analyte | ., |
| 0 , | | Matrix Solid | , , , | |

EET MID

ASTM

Method Summary

 Client: Ensolum
 Job ID: 890-3918-1

 Project/Site: PLU PC 28
 SDG: 03C1558153

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (GC) SW846 EET MID **Total BTEX Calculation** Total BTEX 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 SW846 **EET MID** Closed System Purge and Trap 8015NM Prep Microextraction SW846 EET MID

Protocol References:

DI Leach

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

Deionized Water Leaching Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: PLU PC 28

Job ID: 890-3918-1 SDG: 03C1558153

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3918-1 | SS01 | Solid | 01/23/23 10:20 | 01/23/23 13:28 | 0.5' |
| 890-3918-2 | SS02 | Solid | 01/23/23 10:25 | 01/23/23 13:28 | 0.5' |
| 890-3918-3 | SS03 | Solid | 01/23/23 10:30 | 01/23/23 13:28 | 0.5' |
| 890-3918-4 | SS04 | Solid | 01/23/23 10:35 | 01/23/23 13:28 | 0.5' |
| 890-3918-5 | SS05 | Solid | 01/23/23 10:40 | 01/23/23 13:28 | 0.5' |
| 390-3918-6 | SS06 | Solid | 01/23/23 10:45 | 01/23/23 13:28 | 0.5' |
| 90-3918-7 | SS07 | Solid | 01/23/23 10:50 | 01/23/23 13:28 | 0.5' |
| 390-3918-8 | SS08 | Solid | 01/23/23 10:55 | 01/23/23 13:28 | 0.5' |
| 890-3918-9 | SS09 | Solid | 01/23/23 11:00 | 01/23/23 13:28 | 0.5' |
| 390-3918-10 | SS10 | Solid | 01/23/23 11:05 | 01/23/23 13:28 | 0.5' |
| 90-3918-11 | SS11 | Solid | 01/23/23 11:10 | 01/23/23 13:28 | 0.5' |

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Chain of Custody

| | | HOLLAND | Environment Testing | 00 | Midi | ouston, T and, TX (| (X (281) (432) 70 | 240-420 4-5440, | 00, Dall San An | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 | Work Order No: | |
|---|-------------------------|-------------|---|--|--------------------------------|------------------------|----------------------|------------------------|------------------------|--|---|---|
| | <u>*</u> | Xenco | | | H E | Paso, T. | X (915) ((575) 3 | 585-344 92-7550 | i3, Lubbi), Carlsb | EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | www.xenco.com Page | ge of 2 |
| Project Manager: | Tacoma Morrissev | sev | | | Bill to: (if different) | ent) | Garre | Garret Green | 3 | | Work Order Comments | ents |
| | Ensolum | | | | Company Name | me: | OLX | XTO Energy | | Prog | Program: UST/PST 🗌 PRP 🗌 Brownfields 📗 RRC 📗 | RRC Superfund |
| | 3122 National Parks Hwy | arks H | wy | | Address: | | 3104 | 3104 E. Green St. | en St. | State | State of Project: | |
| te ZIP: | Carlsbad, NM 88220 | 8220 | | | City, State ZIP: | , o | Carls | Carlsbad, NM 88220 | M 8822 | Repo | Reporting: Level II Level III PST/UST TRRP | TRRP Level IV |
| | 303-887-2946 | | | Email: | Garret. Gree | n@Exx | onMol | oil.com | tmor | Garret.Green@ExxonMobil.com tmorrissey@ensolum.com Deliv | Deliverables: EDD | Other: |
| Project Name: | PLU PC | PC 28 | | Turn | Turn Around | | | | | ANALYSIS REQUEST | | Preservative Codes |
| Project Number: | 03C1 | 03C1558153 | <u>ــــــــــــــــــــــــــــــــــــ</u> | Routine | ✓ Rush | Code | 10 F | | | | None: NO | NO DI Water: H ₂ O |
| Project Location: | 32.18273, -103.88091 | -103.8 | | Due Date: | 3 day TAT | | | | | | Cool: Cool | |
| Sampler's Name: | Kase | Kase Parker | | TAT starts the | TAT starts the day received by | у | | | | | HCL: HC | |
| PO #. | | | | the lab, if rece | the lab, if received by 4:30pm | Ь | | | | _ | H ₂ S04: H ₂ | H ₂ NaOH: Na |
| SAMPLE RECEIPT | PT Temp Blank: | lank: | res No | Wet Ice: | No No | nete | .0) | | | | H ₃ PO ₄ : HP | Ŧ |
| Samples Received Intact: | (Feel) | No | Thermometer ID: | r ID: | TON 80 | arar | 300 | | | | NaHSC | NaHSO4: NABIS |
| Cooler Custody Seals: | s: Yes No | _ | Correction Factor: | ctor: | 46 | P | EPA: | | | | Na ₂ S ₂ C | Na ₂ S ₂ U ₃ : NaSU ₃ |
| Sample Custody Seals: | Is: Yes No | WA | Temperature Reading: | Reading: | V | L | S (| | 1 | 890-3918 Chain of Custody | | An December 1940 |
| olar Containers. | | | Corrected remperature | iliperature. | 1 | 1 | RID | 801 | (80 | | | |
| Sample identification | tification | Matrix | Date Sampled | Time Sampled | Depth Comp | np Cont | CHLO | TPH (8 | BTEX | | S | Sample Comments |
| SS01 | 1 | S | 1/23/2023 | 10:20 | 0.5' Grab/ | 1 | × | × | × | | Incident ID: | nt ID: |
| SS02 | 2 | S | 1/23/2023 | 10:25 | 0.5' Grab/ | b/ 1 | × | × | × | | | nAPP2233349315 |
| SS03 | 3 | S | 1/23/2023 | 10:30 | 0.5' Grab/ | ıb/ 1 | × | × | × | | Cost Center | Zenter: |
| SS04 | 4 | S | 1/23/2023 | 10:35 | 0.5' Grab/ | ıb/ 1 | × | × | × | | | 1081071001 |
| SS05 | 5 | S | 1/23/2023 | 10:40 | 0.5' Grab/ | <u>b</u> | × | × | × | | AFE: | |
| SS06 | 6 | S | 1/23/2023 | 10:45 | 0.5' Grab/ | 1 | × | × | × | | | |
| \$\$07 | 7 | S | 1/23/2023 | 10:50 | 0.5' Grab/ | 1 | × | × | × | | | |
| SS08 | 8 | S | 1/23/2023 | 10:55 | 0.5' Grab/ | 1 | * | * | * | | | |
| \$309 | 9 | S | 1/23/2023 | 11:00 | 0.5' Grab/ | 1 | × | × | × | | | |
| SS10 | 0 | S | 1/23/2023 | 11:05 | 0.5' Grab/ | b/ 1 | × | × | × | | | |
| Total 200.7 / 6010 | 10 200.8 / 6020: |)20: | 84 | 8RCRA 13PPM | Texas | 11 A | Sb As | Ва | Ве В | Cd Ca Cr Co Cu Fe Pb Mg N | No Ni K Se A | I Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | nd Metal(s) to be | analyz | red | TCLP / SI | TCLP / SPLP 6010: 8RCRA | BRCRA | 11 | As Ba | Be C | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag | Ag TI U Hg: 1631/245.1/7470/7471 | /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 subcor 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 | document and relinqu | Ishment o | of samples cons | titutes a valid p d shall not assu | urchase order f | om clien | t compar | ny to Eur ses or ex | ofins Xe | 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 | tractors. It assigns standard terms and conditions losses are due to circumstances beyond the control | |
| or Enforms Velico. A Hilliminin charge of spouce with the application constraints a charge of section and the constraints. | mum charge of soc. | Au De | applica to cacir | bi ofcor and a o | 9000 | | | | | | | DetaTime |
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Revised Date: 08/25/2020 Rev. 2020.2

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Xenco

Environment Testing

Project Manager: Company Name:

Tacoma Morrissey

Ensolum

3122 National Parks Hwy

Address:

3104 E. Green St XTO Energy Garret Green

State of Project:

Program: UST/PST 🗌 PRP 🗎 Brownfields 📗 RRC 📗 Superfund 📗

Work Order Comments

www.xenco.com

Page_

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Bill to: (if different) Company Name:

Chain of Custody

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

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| *d. | o circumstances beyond the control enforced unless previously negotiate | Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order not inclined company to Europhas Series, as a summer 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 service. Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | osses or expenses in smitted to Eurofins | y for any li sample sut | ny responsibilit of \$5 for each a | shall not assume ar sroject and a charge | or samples cons st of samples and applied to each I | nt and relinquishment e liable only for the co harge of \$85.00 will be | Notice: Signature of this docume of service. Eurofins Xenco will be of Eurofins Xenco. A minimum o |
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| nAPP2233349315 | | | | - | _ | + | | | 7 |
| Incident ID: | | | × | _1 × | 5' Grab/ | 11:10 0.5 | 1/23/2023 | S | SS11 |
| Sample Comments | | | TPH (8 | Cont CHLOF | Grab/ Comp | Time Depth | Date Sampled | ion Matrix | Sample Identification |
| NaCH+Ascorbic Acid: SAPC | | | 015) | PIDE | | Temperature: | Corrected Te | | Total Containers: |
| Zn Acetate+NaOH: Zn | | | | S /E | | Reading. | Temperature Reading | Yes No N/A | Sample Custody Seals: |
| Na ₂ S ₂ O ₃ . NaSO ₃ | | | | _ | | Ciory / | Correction Factory | Yes No N/A | Cooler Custody Seals: |
| NaHSO4: NABIS | | | - | | | ip: (| Thermometer ID: | Yes No | Samples Received Intact: |
| H ₃ PO ₄ : HP | | | - | nete | Yes No | Wet Jee: Y | Yes No | Temp Blank: | SAMPLE RECEIPT |
| H ₂ SU ₄ : H ₂ NaOH: Na | | | | rs | by 4:30pm | the lab, if received by 4:30pm | | | PO #: |
| | | | | | received by | TAT starts the day received by | | Kase Parker | Sampler's Name: |
| <u>u</u> | | | | | 3 day TAT | Due Date: 3 o | | 32.18273, -103.88091 | Project Location: |
| None: NO DI Water: H ₂ O | | | | Code | Rush | ☐ Routine ☑ I | | 03C1558153 | Project Number: |
| Preservative Codes | | ANALYSIS REQUEST | | | Ind | Turn Around | | PLU PC 28 | Project Name: |
| ADari L. Cuier. | Deliverables: EDD L. ADar | Email: Garret.Green@ExxonMobil.com tmorrissey@ensolum.com Deliv | lobil.com tmorr | ExxonM | et.Green@ | Email: Garr | | 303-887-2946 | Phone: 303-E |
| | Level | | Carlsbad, NM 88220 | Са | City, State ZIP: | City, | | Carlsbad, NM 88220 | City, State ZIP: Carls |
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Eurofins Carlsbad

Chain of Custody Record

| Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199 | sted land | | f Cust | Chain of Custody Record Lab PM | Record Lab PM Kramer, Jessica E-Mail Jessica Kramer@et.eurofinsus co Accreditations Required (See note). NELAP - Texas ACH Chloride D) BTEX | S_Prep (MOD) Full TPH S Ca Sica Sic | ACH Chloride | | D) BTEX Analysis | \overline{\overline{\sigma}} | Carrier Tra | Carrier Tracking No(s) State of Origin: New Mexico uested | rigin XICO | | | iers | CCCC Rage Page Page Page Page Page Page Page P | COC No: Repo-1108 1 Repo-1108 | C-IOND TOZZ | Environment Testing - Hexane None None NASAO2 NAZO4S - NAZSO3 - NAZSO3 - NAZSO4 - N |
|--|--|---|--|--|--|--|------------------------------|--------------------|-------------------------------|--|---------------------|--|----------------------------------|-------------------------------|------------------------------|--------------------------|--|--|--|--|
| formation (Sub Contract Lab) t ecciving vironment Testing South Centr orida Ave, , 440(Tel) | e Requested 123 puested (days) | | | Lab Pi Kram E-Mail Jessi | Yes or No) Or No) Or No) | S_Prep (MOD) Full TPH titions Roca | ACH Chloride | | naly: | \overline{\ov | eque Ca | isted | rigin: XICO | lo(s). | | | CCOC 890- Page Page Page 890- Press CC Z CC | No: 1108 1 1108 1 3 1 of 2 3918-1 ervation C ICL IICL IICL IIICL IIICL | | |
| t. Receiving Parisonment Testing South Centr Parisonida Ave, , Pari | » Requested 123 uested (days) | | | E-Mail Jessi | Yes or No) or No) | S_Prep (MOD) Full TPH - Tex | ACH Chloride | | naly: | <u> </u> | eque Neg | w Me | ngin XICO | | | | Page Page Page Page Page Page Page Page | \$ 1 of 2 3918-1 ervation C ICL ICL ICL ICL ICL ICL ICL I | | |
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| |)93 | | | | 1000 Y 100 | 3_Pre | ACH | | | | | | | | | er | • | 2 | < | |
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| Site: SSOW# | | | | | 0000000-00-00 | 015NM | D/DI_L | | v | | | | | | | of cor | Other: | 7 | | Y-17-18-18-18-18-18-18-18-18-18-18-18-18-18- |
| | S | Sample | Sample Type (C=comp, | Matrix (W=water S=solid, O=waste/oil, BT=Tissue, | eld Filtered irform MS/N | | 15MOD_Calc 0_ORGFM_28 | 21B/5035FP_ | tal_BTEX_G | | | <u> </u> | | ., | | tal Number | | | | |
| | X | X | Preservation Code: | neum) | 700 E | - | Service . | -4 | 1 | | | 1 | | | | X | 1 | Topodia. | Visit | Openial illandenollariyote. |
| SS01 (890-3918-1) | 1/23/23 Mo | 10 20 ountain | | Solid | | × | × | × | × | | | | | | | 4 | | | To control of the con | A STATE OF THE STA |
| SS02 (890-3918-2) 1/2 | 1/23/23 No | 10 25 Mountain | | Solid | | × | × | × | × | | | | | | | رف ا | un indiani | | | 111 TO 111 H H MANAGE |
| SS03 (890-3918-3) 1/2 | 1/23/23 No | 10 30 Mountain | | Solid | | × | × | × | × | | | _ | | | | | | | | THANK WALL |
| SS04 (890-3918-4) 1/2 | 1/23/23 Mo | 10 35 Mountain | | Solid | | × | × | $\hat{\times}$ | × | | | | | | | اجما | assumentille | | | *************************************** |
| SS05 (890-3918-5) 1/2 | 1/23/23 No | 10 40 Mountain | | Solid | | × | × | × | × | | | | | | | أرقض | -20-20-45 | | | |
| SS06 (890-3918-6) 1/2 | 1/23/23 Mo | 10 45 Mountain | | Solid | | × | × | × | × | | | | | | | | uu saasiil | | | |
| SS07 (890-3918-7) 1/2 | 1/23/23 No | 10 50 Mountain | | Solid | | × | × | × | × | | | | | | | | made, bilos | | | |
| SS08 (890-3918-8) 1/2 | 1/23/23 Mo | 10 55 Juntain | | Solid | | × | × | × | × | | | | | | | - E | | | | |
| SS09 (890-3918-9) 1/2 | 1/23/23 Mo | 11 00 Mountain | | Solid | | × | × | × | × | | | | | | | (A) | N-makedis A | | | |
| Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compiliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compiliance to Eurofins Environment Testing South Central, LLC | South Central Lalysis/tests/matattention immed | LLC places trix being ar diately If a | the ownership nalyzed the sa ill requested a | o of method an amples must be ccreditations ar | alyte & ac | ccredital back to to date | tion cor the Eu | mpliand urofins | ce upor Enviror gned Cl | nour su nment T hain of | bcontra esting t | ct labor South C | ratories >entral, ing to s | This: LLC lall aid corr | sample xoraton pliance | shipm or off to Eu | ent is f ner inst rofins l | onwarded ur ructions will Environment | ider chai be provi Testing | in-of-custody If the ided Any changes to South Central LLC |
| Possible Hazard Identification | | | | | Sam | Sample Disposal | ispos | sal (/ | fee | may b | e ass | essec | ifsa | mple | s are | etair | red Ic | A fee may be assessed if samples are retained longer than | n 1 mo | month) |
| tequested I II III, IV Other (specify) | Primary Deliverable Rank | Rank 2 | | | Spe | Special Instructions/QC Requirements | ial Instructions/QC | ions/C | C Re | quire | ments | ents | by La | ٥ | | 3 | AICHIVE FOI | Q. | | MORINS |
| Empty Kit Relinquished by: | Date | fe | | | Time | 4 | | | | , | ار | Met | nod of | Method of Shipment: | ÷ | | | | | |
| Palinquistried by Date/Time | ē | | | Company | | Receive | Pod by | | 4 | $ \Box $ | 1 | | | Date/Time | ime | | | | S | Company |
| Relinquished by P Date/Time | ē | *************************************** | | Company | | Received | by. | 8 | Ę, | | | | | Date/Time | ime | | | | Col | Company |
| Relinquished by: Date/Time | ō | | | Company | | Received by | d by | | | | | |] | Date/Time | ime | | | | Ç | Company |
| Custody Seals Intact. Custody Seal No ∆ Yes ∆ No | | | | And the second s | | Cooler Temperatur | Temper | rature(s | s) °C ar | e(s) °C and Other Remarks | r Rema | rks | | | | | | | | |

1/26/2023

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-3918-1

 SDG Number: 03C1558153

Login Number: 3918 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

| 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 | |

e 01 0j 03

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3918-1 SDG Number: 03C1558153

Login Number: 3918 **List Source: Eurofins Midland** List Number: 2

List Creation: 01/24/23 12:14 PM

Creator: Teel, Brianna

| 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 | True | |

Released to Imaging: 6/15/2023 11:58:01 AM

<6mm (1/4").



APPENDIX D

NMOCD Notifications

From: Green, Garrett J

To: ocd.enviro@emnrd.nm.gov; Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD

Cc: <u>Tacoma Morrissey</u>; <u>DelawareSpills /SM</u>

Subject: XTO - Sampling Notification (Week of 1/23/23 - 1/27/23)

Date: Thursday, January 19, 2023 9:34:01 AM

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of Jan 23, 2023.

- Big Sinks 2-24-30 / NAB1913729531
- PLU PC 28 / nAPP2233349315
- Remuda 500 / NAPP2300441385, NAPP2300448092, NAPP2300641362 & nAPP2234832761
- PLU 29 BS CTB / nAPP2235642838

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

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 186280

CONDITIONS

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 186280 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created B | y Condition | Condition Date |
|-----------|--|-------------------|
| rhamlet | We have received your closure report and final C-141 for Incident #NAPP2233349315 PLU PIERCE CANYON 28 BATTERY, thank you. This closure is approved. | 6/15/2023 |