

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

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

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

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

Printed Name: Garrett Green Title: Environmental Coordinator

Signature:  Date: 03/9/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/09/2023

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

Closure Approved by: Robert Hamlet Date: 7/18/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.10485 Longitude -103.80246
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|--------------------------------|
| Site Name PLU 29 Big Sinks CTB | Site Type Central Tank Battery |
| Date Release Discovered 12/15/2022 | API# (if applicable) |

| | | | | |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| F | 29 | 25S | 31E | Eddy |

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

Nature and Volume of Release

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

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 0.25 | Volume Recovered (bbls) 0.00 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |


Cause of Release
LACT faulted due to closed valves, causing fluid from VRT to go to flare and ignite. Flames self-extinguished upon reaching the ground. No injuries were reported. A third-party contractor has been retained for remediation purposes.

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? A release that results in a fire or is the result of a fire. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Garrett Green to ocd.enviro@emnrd.nm.gov; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Billings, Bradford, EMNRD on 12/16/2022 via email. | |

Initial Response

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

| | |
|--|--------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: NA | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Garrett Green</u> | Title: <u>SSHE Coordinator</u> |
| Signature: <u></u> | Date: <u>12/21/2022</u> |
| email: <u>garrett.green@exxonmobil.com</u> | Telephone: <u>575-200-0729</u> |
| <u>OCD Only</u> | |
| Received by: <u>Jocelyn Harimon</u> | Date: <u>12/22/2022</u> |

| | | | |
|--|-----------------------------|---------|--|
| Location: | PLU 29 Big Sinks CTB | | |
| Spill Date: | 12/15/2022 | | |
| Area 1 | | | |
| Approximate Area = | 2289.00 | sq. ft. | |
| Average Saturation (or depth) of spill = | 0.25 | inches | |
| | | | |
| Average Porosity Factor = | 0.03 | | |
| | | | |
| VOLUME OF LEAK | | | |
| Total Crude Oil = | 0.25 | bbls | |
| Total Produced Water = | 0.00 | bbls | |
| TOTAL VOLUME OF LEAK | | | |
| Total Crude Oil = | 0.25 | bbls | |
| Total Produced Water = | 0.00 | bbls | |
| TOTAL VOLUME RECOVERED | | | |
| Total Crude Oil = | 0.00 | bbls | |
| Total Produced Water = | 0.00 | 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
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 169600

CONDITIONS

| | |
|---|---|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 169600 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jharimon | None | 12/22/2022 |

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Garrett Green Title: Environmental Coordinator

Signature:  Date: 03/9/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/09/2023

| | |
|----------------|----------------|
| Incident ID | NAPP2235642838 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure


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

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

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

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

Printed Name: Garrett Green Title: Environmental Coordinator

Signature:  Date: 03/9/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/09/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



March 9, 2023

New Mexico Oil Conservation Division

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

**Re: Closure Request
PLU 29 Big Sinks CTB
Incident Number NAPP2235642838
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 assessment and soil sampling activities performed at the PLU 29 Big Sinks Central Tank Battery (CTB; 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 Site assessment activities and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remediation activities that have occurred and requesting no further action for Incident Number NAPP2235642838.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 29, Township 25 South, Range 31 East, in Eddy County, New Mexico (32.10485°, -103.80246°) and is associated with oil and gas exploration and production operations on Federal Land managed by Bureau of Land Management (BLM).

On December 15, 2022, a Lease Automatic Custody Transfer (LACT) unit failed, causing approximately 0.25 barrels (bbls) of crude oil to exit the flare and ignite. The fire extinguished by itself, and no recoverable fluids remained. XTO reported the release via email to the New Mexico Oil Conservation Division (NMOCD) on December 16, 2022 and submitted a Release Notification Form C-141 (Form C-141) on December 21, 2022. The release was assigned Incident Number NAPP2235642838.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a recent soil boring permitted through the New Mexico Office of the State Engineer (NMOSE) and drilled for determination of regional groundwater depth. On June 22, 2022, a soil boring (C-4624) was drilled approximately 0.95 miles southwest of the Site and was advanced to a depth of 120 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that

XTO Energy, Inc
Closure Request
PLU 29 Big Sinks CTB

groundwater beneath the Site is greater than 120 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. All wells used for depth to groundwater determination are present on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 4,319 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). All Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On January 27, 2023, Site assessment and delineation activities were conducted by Ensolum to evaluate the release extent based on information provided on the Form C-141 and visual observations. Two potholes (PH01 and PH02) were advanced by use of heavy equipment within the release extent to assess the vertical extent of the release. Two discrete delineation soil samples were collected from each pothole at depths of 0.5 feet bgs and 1-foot bgs. Four discrete delineation soil samples (SS01 through SS04) were collected from a depth of 0.5 feet bgs to assess the lateral extent of the release. 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 release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results on all delineation soil samples collected indicated no impacts to soil; however, surficial staining from the fire was scraped and removed from the Site by use of heavy equipment and hand tools. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they were collected may not have equilibrated to 6 degrees Celcius required for shipment and long term storage, but are considered to have been received in acceptable condition by the laboratory.

XTO Energy, Inc
Closure Request
PLU 29 Big Sinks CTB

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated COC concentrations for all delineation soil samples were in compliance 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 reports are included as Appendix D.


CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the December 15, 2022 release of crude oil and flare fire. Laboratory analytical results for all delineation soil samples indicated COC concentrations were compliant with the Site Closure Criteria and the most stringent Table I Closure Criteria. Following delineation activities, surface scraping was completed to remove surficial staining caused by the fire.

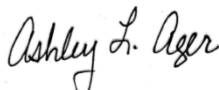
Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. Based on laboratory analytical results compliant with Closure Criteria, no further remediation was required. As such, XTO respectfully requests closure for Incident Number NAPP2235642838.

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

Sincerely,
Ensolum, LLC



Meredith Roberts
Field Geologist



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

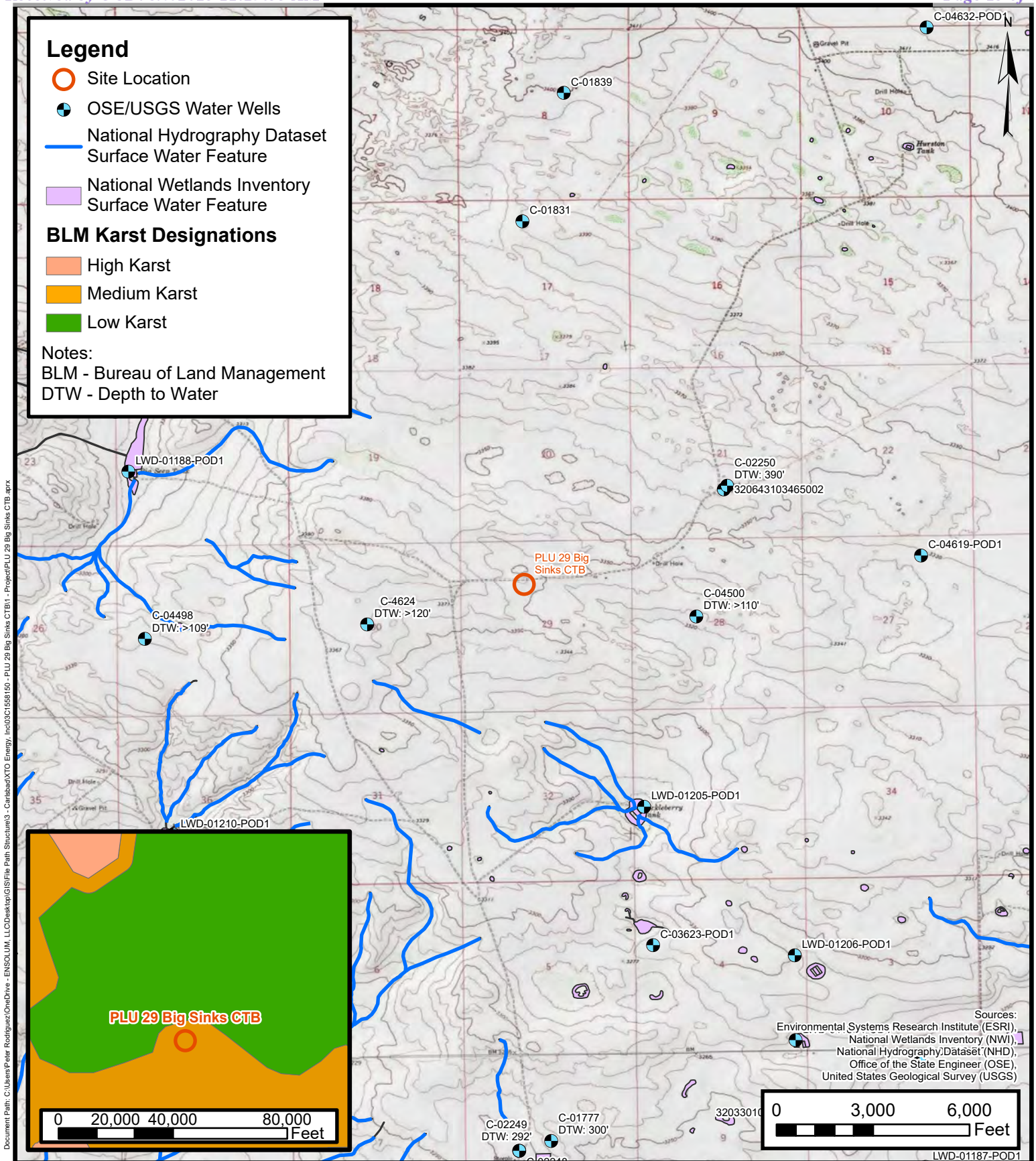
cc: Garrett Green, XTO
Shelby Pennington, XTO
BLM

Appendices:

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



FIGURES






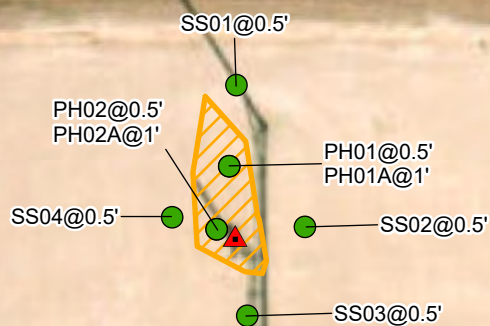
Site Receptor Map

XTO Energy, Inc
PLU 29 Big Sinks CTB
Incident Number: NAPP2235642838
Unit F, Sec 29, T25S, R31E,
Eddy County, New Mexico

FIGURE
1

Legend

-  Release Point
-  Delineation Soil Sample Location in Compliance with Closure Criteria
-  Release Extent



Notes:
Sample ID @ Depth Below Ground Surface

0 90 180
Feet

Sources:
Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

XTO Energy, Inc
PLU 29 Big Sinks CTB
Incident Number: NAPP2235642838
Unit F, Sec 29, T25S, R31E,
Eddy County, New Mexico

FIGURE
2



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 29 Big Sinks CTB
XTO Energy, Inc
Eddy County, New Mexico

| Sample I.D. | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|-------------|-------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| Delineation Soil Samples | | | | | | | | | | |
| SS01 | 01/27/2023 | 0.5 | <0.00198 | <0.00396 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 119 |
| SS02 | 01/27/2023 | 0.5 | <0.00200 | <0.00400 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 49.9 |
| SS03 | 01/27/2023 | 0.5 | <0.00199 | <0.00398 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 25.0 |
| SS04 | 01/27/2023 | 0.5 | <0.00199 | <0.00398 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 45.1 |
| PH01 | 01/27/2023 | 0.5 | <0.00200 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 95.2 |
| PH01A | 01/27/2023 | 1 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 92.2 |
| PH02 | 01/27/2023 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 206 |
| PH02A | 01/27/2023 | 1 | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 239 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

| | | | | | | | | |
|--|---|----------------------------|---|---|---|--|--------------------------------------|--------------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NO. (WELL NO.) C-4624 POD 1 | | WELL TAG ID NO. | | OSE FILE NO(S). C-4624 | | | |
| | WELL OWNER NAME(S) XTO ENERGY INC | | | | PHONE (OPTIONAL) 432-236-3808 | | | |
| | WELL OWNER MAILING ADDRESS 6401 HOLIDAY HILL ROAD | | | | CITY MIDLAND | STATE TX | ZIP 79707 | |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32 | MINUTES 6 | SECONDS 5.66 N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | | | |
| | | LONGITUDE -103 | 49 | 5.79 W | * DATUM REQUIRED: WGS 84 | | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE ON POKER LAKE UNIT 30 BS # 103H PAD | | | | | | | | |
| 2. DRILLING & CASING INFORMATION | LICENSE NO. WD-1184 | | NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND | | | NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE | | |
| | DRILLING STARTED 06/22/22 | DRILLING ENDED 06/22/22 | DEPTH OF COMPLETED WELL (FT) 120 | BORE HOLE DEPTH (FT) | DEPTH WATER FIRST ENCOUNTERED (FT) | | | |
| | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A | | | |
| | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: | | | | | | | |
| | DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY: | | | | | | | |
| | DEPTH (feet bgl) FROM TO | | BORE HOLE DIAM. (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter) | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
| | | | | NO CASING IN HOLE | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 3. ANNULAR MATERIAL | DEPTH (feet bgl) FROM TO | | BORE HOLE DIAM. (inches) | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL | AMOUNT (cubic feet) | METHOD OF PLACEMENT | | |
| | | | | N/A | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

| | | |
|---------------------------|-------------------|----------------|
| FILE NO. C-4624-POD1 | POD NO. POD1 | TRN NO. 726169 |
| LOCATION 25S.31E.30.4.4.1 | WELL TAG ID NO. — | PAGE 1 OF 2 |


4. HYDROGEOLOGIC LOG OF WELL


Released to Imaging: 7/18/2023 1:50:47 PM



APPENDIX B

Lithologic Soil Sampling Logs

|  ENSOLUM Environmental, Engineering and Hydrogeologic Consultants | | Sample Name: PH01 | | Date: 1/27/2023 | | | | |
|---|----------------|---------------------------------|-------------------|-----------------|-----------------------|----------------|------------------|---|
| | | Site Name: PLU 29 BS CTB | | | | | | |
| | | Incident Number: NAPP2235642838 | | | | | | |
| | | Job Number: 03C1558150 | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | |
| Coordinates: 32.1048, -103.8024 | | | Logged By: KP | | Method: Backhoe | | | |
| | | | Hole Diameter: NA | | Total Depth: 1' | | | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included on all chloride screenings. | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| | | | Y | | | 0 | CCHE | 0-1' CALICHE, light brown/ tan silty/caliche mix. Poorly sorted, sub-rounded grains, staining in first couple inches, dry, no odor, fill. |
| D | <173 | 0.0 | N | PH01 | 0.5 | 0.5 | | |
| D | <173 | 0.0 | N | PH01A | 1 | 1 | | |
| | | | | | | | TD | Total Depth @ 1' bgs |

|  ENSOLUM Environmental, Engineering and Hydrogeologic Consultants | | Sample Name: PH02 | | Date: 1/27/2023 | | | | |
|---|----------------|---------------------------------|-------------------|-----------------|-----------------------|----------------|------------------|--|
| | | Site Name: PLU 29 BS CTB | | | | | | |
| | | Incident Number: NAPP2235642838 | | | | | | |
| | | Job Number: 03C1558150 | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | |
| Coordinates: 32.1048, -103.8024 | | | Logged By: KP | | Method: Backhoe | | | |
| | | | Hole Diameter: NA | | Total Depth: 1' | | | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included on all chloride screenings. | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| | | | Y | | | 0 | CCHE | 0-1' CALICHE, light brown/ tan silty/caliche mix. Poorly sorted, sub-rounded grains, staining in first couple inches only, dry, no odor, fill. |
| D | <173 | 0.0 | N | PH02 | 0.5 | 0.5 | | |
| D | <173 | 0.0 | N | PH02A | 1 | 1 | | |
| | | | | | | | TD | Total Depth @ 1' bgs |



APPENDIX C

Photographic Log

**Photographic Log**

XTO Energy, Inc
 PLU 29 Big Sinks CTB
 NAPP2235642838



Photograph 1 Date: 01/27/2023
 Description: Release extent area
 View: Northwest



Photograph 2 Date: 01/27/2023
 Description: Delineation activities, PH02.
 View: Northwest



Photograph 3 Date: 01/27/2023
 Description: Surface scraping activities
 View: North



Photograph 4 Date: 01/27/2023
 Description: Surface scraping activities
 View: South



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 2/9/2023 7:38:05 PM

JOB DESCRIPTION

PLU 29 BS CTB
SDG NUMBER 03C1558150

JOB NUMBER

890-3976-1

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
2/9/2023 7:38:05 PM

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

Client: Ensolum
Project/Site: PLU 29 BS CTB

Laboratory Job ID: 890-3976-1
SDG: 03C1558150

Table of Contents

| | |
|----------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| Surrogate Summary | 10 |
| QC Sample Results | 11 |
| QC Association Summary | 15 |
| Lab Chronicle | 17 |
| Certification Summary | 19 |
| Method Summary | 20 |
| Sample Summary | 21 |
| Chain of Custody | 22 |
| Receipt Checklists | 23 |

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

Definitions/Glossary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Job ID: 890-3976-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3976-1

Receipt

The samples were received on 1/27/2023 2:06 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 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3976-1), SS02 (890-3976-2), SS03 (890-3976-3) and SS04 (890-3976-4).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45704 and analytical batch 880-45735 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3975-A-1-D MS) and (890-3975-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45704 and analytical batch 880-45735 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

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

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS01

Lab Sample ID: 890-3976-1

Date Collected: 01/27/23 10:30

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | mg/Kg | | 02/09/23 08:10 | 02/09/23 15:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 15:41 | 1 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 15:41 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U | 0.00396 | mg/Kg | | | 02/09/23 16:07 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/08/23 23:56 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/08/23 23:56 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/08/23 23:56 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 97 | | 70 - 130 | 02/07/23 13:19 | 02/08/23 23:56 | 1 |
| o-Terphenyl | 111 | | 70 - 130 | 02/07/23 13:19 | 02/08/23 23:56 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 119 | | 4.96 | mg/Kg | | | 02/05/23 13:58 | 1 |

Client Sample ID: SS02

Lab Sample ID: 890-3976-2

Date Collected: 01/27/23 10:35

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 16:55 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 16:55 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS02

Lab Sample ID: 890-3976-2

Date Collected: 01/27/23 10:35

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 16:55 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:17 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:17 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 00:17 | 1 |
| o-Terphenyl | 104 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 00:17 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 49.9 | | 4.96 | mg/Kg | | | 02/05/23 14:03 | 1 |

Client Sample ID: SS03

Lab Sample ID: 890-3976-3

Date Collected: 01/27/23 10:40

Matrix: Solid

Date Received: 01/27/23 14:06

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 | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:15 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 17:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 17:15 | 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 | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1 | U | 50.1 | mg/Kg | | | 02/09/23 09:48 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS03

Lab Sample ID: 890-3976-3

Date Collected: 01/27/23 10:40

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:38 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 00:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 95 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 00:38 | 1 |
| o-Terphenyl | 105 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 00:38 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 25.0 | | 4.97 | mg/Kg | | | 02/05/23 14:17 | 1 |

Client Sample ID: SS04

Lab Sample ID: 890-3976-4

Date Collected: 01/27/23 10:45

Matrix: Solid

Date Received: 01/27/23 14:06

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 | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 17:36 | 1 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 17:36 | 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 | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1 | U | 50.1 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:00 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:00 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 97 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:00 | 1 |
| o-Terphenyl | 104 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:00 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS04
Date Collected: 01/27/23 10:45
Date Received: 01/27/23 14:06
Sample Depth: 0.5'

Lab Sample ID: 890-3976-4
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Chloride | 45.1 | | 5.03 | mg/Kg | | | 02/05/23 14:22 | 1 | |

Surrogate Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-24448-A-1-G MS | Matrix Spike | 99 | 97 |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | 90 | 98 |
| 890-3976-1 | SS01 | 107 | 106 |
| 890-3976-2 | SS02 | 121 | 101 |
| 890-3976-3 | SS03 | 101 | 113 |
| 890-3976-4 | SS04 | 111 | 104 |
| LCS 880-45842/1-A | Lab Control Sample | 100 | 98 |
| LCSD 880-45842/2-A | Lab Control Sample Dup | 105 | 100 |
| MB 880-45842/5-A | Method Blank | 89 | 92 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3975-A-1-D MS | Matrix Spike | 191 S1+ | 194 S1+ |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | 207 S1+ | 204 S1+ |
| 890-3976-1 | SS01 | 97 | 111 |
| 890-3976-2 | SS02 | 94 | 104 |
| 890-3976-3 | SS03 | 95 | 105 |
| 890-3976-4 | SS04 | 97 | 104 |
| LCS 880-45704/2-A | Lab Control Sample | 104 | 114 |
| LCSD 880-45704/3-A | Lab Control Sample Dup | 100 | 110 |
| MB 880-45704/1-A | Method Blank | 116 | 132 S1+ |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45842/5-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| 1,4-Difluorobenzene (Surr) | 92 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 10:46 | 1 |

Lab Sample ID: LCS 880-45842/1-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene | 0.100 | 0.08599 | | mg/Kg | | 86 | 70 - 130 |
| Toluene | 0.100 | 0.08525 | | mg/Kg | | 85 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08087 | | mg/Kg | | 81 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1695 | | mg/Kg | | 85 | 70 - 130 |
| o-Xylene | 0.100 | 0.08679 | | mg/Kg | | 87 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: LCSD 880-45842/2-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100 | 0.09372 | | mg/Kg | | 94 | 70 - 130 | 9 | 35 |
| Toluene | 0.100 | 0.09160 | | mg/Kg | | 92 | 70 - 130 | 7 | 35 |
| Ethylbenzene | 0.100 | 0.08712 | | mg/Kg | | 87 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1818 | | mg/Kg | | 91 | 70 - 130 | 7 | 35 |
| o-Xylene | 0.100 | 0.09322 | | mg/Kg | | 93 | 70 - 130 | 7 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: 880-24448-A-1-G MS

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00199 | U | 0.0998 | 0.08223 | | mg/Kg | | 82 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0998 | 0.08183 | | mg/Kg | | 82 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

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

Lab Sample ID: 880-24448-A-1-G MS

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00199 | U | 0.0998 | 0.07809 | | mg/Kg | | 78 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1613 | | mg/Kg | | 81 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.08235 | | mg/Kg | | 83 | 70 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | MS Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | | | | | | |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-24448-A-1-H MSD

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00199 | U | 0.100 | 0.09844 | | mg/Kg | | 98 | 70 - 130 | 18 | 35 |
| Toluene | <0.00199 | U | 0.100 | 0.09344 | | mg/Kg | | 93 | 70 - 130 | 13 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.08327 | | mg/Kg | | 83 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1674 | | mg/Kg | | 84 | 70 - 130 | 4 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.08564 | | mg/Kg | | 85 | 70 - 130 | 4 | 35 |
| Surrogate | MSD %Recovery | MSD Qualifier | MSD Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 90 | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | | | | | | |

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

Lab Sample ID: MB 880-45704/1-A

Matrix: Solid

Analysis Batch: 45735

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45704

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|--------------|-----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | MB Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 116 | | 70 - 130 | | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| o-Terphenyl | 132 | S1+ | 70 - 130 | | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |

Lab Sample ID: LCS 880-45704/2-A

Matrix: Solid

Analysis Batch: 45735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45704

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 860.6 | | mg/Kg | | 86 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 909.7 | | mg/Kg | | 91 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

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

Lab Sample ID: LCS 880-45704/2-A
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45704

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 114 | | 70 - 130 |

Lab Sample ID: LCSD 880-45704/3-A
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 917.2 | | mg/Kg | | 92 | 70 - 130 | 6 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 932.0 | | mg/Kg | | 93 | 70 - 130 | 2 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 100 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 890-3975-A-1-D MS
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U F1 | 995 | 1634 | F1 | mg/Kg | | 164 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.8 | U F1 | 995 | 1867 | F1 | mg/Kg | | 188 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 191 | S1+ | 70 - 130 |
| o-Terphenyl | 194 | S1+ | 70 - 130 |

Lab Sample ID: 890-3975-A-1-E MSD
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U F1 | 999 | 1813 | F1 | mg/Kg | | 181 | 70 - 130 | 10 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U F1 | 999 | 1990 | F1 | mg/Kg | | 199 | 70 - 130 | 6 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 207 | S1+ | 70 - 130 |
| o-Terphenyl | 204 | S1+ | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45095/1-A

Matrix: Solid

Analysis Batch: 45420

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 02/03/23 21:32 | 1 |

Lab Sample ID: LCS 880-45095/2-A

Matrix: Solid

Analysis Batch: 45420

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250 | 258.9 | | mg/Kg | | 104 | 90 - 110 |

Lab Sample ID: LCSD 880-45095/3-A

Matrix: Solid

Analysis Batch: 45420

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250 | 248.1 | | mg/Kg | | 99 | 90 - 110 | 4 | 20 |

Lab Sample ID: 890-3976-2 MS

Matrix: Solid

Analysis Batch: 45420

Client Sample ID: SS02

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 49.9 | | 248 | 302.6 | | mg/Kg | | 102 | 90 - 110 |

QC Association Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

GC VOA

Analysis Batch: 45840

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | 8021B | 45842 |
| 890-3976-2 | SS02 | Total/NA | Solid | 8021B | 45842 |
| 890-3976-3 | SS03 | Total/NA | Solid | 8021B | 45842 |
| 890-3976-4 | SS04 | Total/NA | Solid | 8021B | 45842 |
| MB 880-45842/5-A | Method Blank | Total/NA | Solid | 8021B | 45842 |
| LCS 880-45842/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 45842 |
| LCSD 880-45842/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 45842 |
| 880-24448-A-1-G MS | Matrix Spike | Total/NA | Solid | 8021B | 45842 |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 45842 |

Prep Batch: 45842

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | 5035 | |
| 890-3976-2 | SS02 | Total/NA | Solid | 5035 | |
| 890-3976-3 | SS03 | Total/NA | Solid | 5035 | |
| 890-3976-4 | SS04 | Total/NA | Solid | 5035 | |
| MB 880-45842/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-45842/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-45842/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-24448-A-1-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 45918

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | Total BTEX | |
| 890-3976-2 | SS02 | Total/NA | Solid | Total BTEX | |
| 890-3976-3 | SS03 | Total/NA | Solid | Total BTEX | |
| 890-3976-4 | SS04 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 45704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| 890-3976-2 | SS02 | Total/NA | Solid | 8015NM Prep | |
| 890-3976-3 | SS03 | Total/NA | Solid | 8015NM Prep | |
| 890-3976-4 | SS04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-45704/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-45704/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-45704/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3975-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 45735

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | 8015B NM | 45704 |
| 890-3976-2 | SS02 | Total/NA | Solid | 8015B NM | 45704 |
| 890-3976-3 | SS03 | Total/NA | Solid | 8015B NM | 45704 |
| 890-3976-4 | SS04 | Total/NA | Solid | 8015B NM | 45704 |
| MB 880-45704/1-A | Method Blank | Total/NA | Solid | 8015B NM | 45704 |
| LCS 880-45704/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 45704 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

GC Semi VOA (Continued)

Analysis Batch: 45735 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-45704/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 45704 |
| 890-3975-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 45704 |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 45704 |

Analysis Batch: 45873

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3976-1 | SS01 | Total/NA | Solid | 8015 NM | |
| 890-3976-2 | SS02 | Total/NA | Solid | 8015 NM | |
| 890-3976-3 | SS03 | Total/NA | Solid | 8015 NM | |
| 890-3976-4 | SS04 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 45095

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3976-1 | SS01 | Soluble | Solid | DI Leach | |
| 890-3976-2 | SS02 | Soluble | Solid | DI Leach | |
| 890-3976-3 | SS03 | Soluble | Solid | DI Leach | |
| 890-3976-4 | SS04 | Soluble | Solid | DI Leach | |
| MB 880-45095/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-45095/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-45095/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3976-2 MS | SS02 | Soluble | Solid | DI Leach | |
| 890-3976-2 MSD | SS02 | Soluble | Solid | DI Leach | |

Analysis Batch: 45420

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3976-1 | SS01 | Soluble | Solid | 300.0 | 45095 |
| 890-3976-2 | SS02 | Soluble | Solid | 300.0 | 45095 |
| 890-3976-3 | SS03 | Soluble | Solid | 300.0 | 45095 |
| 890-3976-4 | SS04 | Soluble | Solid | 300.0 | 45095 |
| MB 880-45095/1-A | Method Blank | Soluble | Solid | 300.0 | 45095 |
| LCS 880-45095/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 45095 |
| LCSD 880-45095/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 45095 |
| 890-3976-2 MS | SS02 | Soluble | Solid | 300.0 | 45095 |
| 890-3976-2 MSD | SS02 | Soluble | Solid | 300.0 | 45095 |

Lab Chronicle

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS01

Lab Sample ID: 890-3976-1

Date Collected: 01/27/23 10:30

Matrix: Solid

Date Received: 01/27/23 14:06

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 15:41 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45918 | 02/09/23 16:07 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45873 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/08/23 23:56 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 13:58 | CH | EET MID |

Client Sample ID: SS02

Lab Sample ID: 890-3976-2

Date Collected: 01/27/23 10:35

Matrix: Solid

Date Received: 01/27/23 14:06

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 16:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45918 | 02/09/23 20:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45873 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 00:17 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 14:03 | CH | EET MID |

Client Sample ID: SS03

Lab Sample ID: 890-3976-3

Date Collected: 01/27/23 10:40

Matrix: Solid

Date Received: 01/27/23 14:06

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 17:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45918 | 02/09/23 20:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45873 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.99 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 00:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 14:17 | CH | EET MID |

Client Sample ID: SS04

Lab Sample ID: 890-3976-4

Date Collected: 01/27/23 10:45

Matrix: Solid

Date Received: 01/27/23 14:06

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 17:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45918 | 02/09/23 20:25 | SM | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Client Sample ID: SS04

Date Collected: 01/27/23 10:45

Date Received: 01/27/23 14:06

Lab Sample ID: 890-3976-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015 NM | | 1 | | | 45873 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 01:00 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 14:22 | CH | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3976-1
SDG: 03C1558150

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3976-1 | SS01 | Solid | 01/27/23 10:30 | 01/27/23 14:06 | 0.5' |
| 890-3976-2 | SS02 | Solid | 01/27/23 10:35 | 01/27/23 14:06 | 0.5' |
| 890-3976-3 | SS03 | Solid | 01/27/23 10:40 | 01/27/23 14:06 | 0.5' |
| 890-3976-4 | SS04 | Solid | 01/27/23 10:45 | 01/27/23 14:06 | 0.5' |

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



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com

Page 1 of 1

| | | | |
|------------------|-------------------------|-------------------------|--|
| Project Manager: | Ben Beill | Bill to: (if different) | Garret Green |
| Company Name: | Ensolum | Company Name: | XTO Energy |
| Address: | 3122 National Parks Hwy | Address: | 3104 E. Green St. |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 989-854-0852 | Email: | Garret.Green@ExxonMobil.com bbeill@ensolum.com |

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|---|---|------------|------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|------|--|---|----------------------------|-----------------|--|
| Project Name: | PLU 29 BS CTB | Turn Around | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code | ANALYSIS REQUEST | | | | | | | | | | | | | | | | Preservative Codes | | | |
| Project Number: | 03C1556150 | Due Date: | | | | | | | | | | | | | | | | | | | None: NO | DI Water: H ₂ O | | |
| Project Location: | 32.10485, -103.80246 | | | | | | | | | | | | | | | | | | | | Cool: Cool | MeOH: Me | | |
| Sampler's Name: | Kase Parker | TAT starts the day received by the lab, if received by 4:30pm | | | | | | | | | | | | | | | | | | | HCL: HC | HNO ₃ : HN | | |
| PO #: | | | | | | | | | | | | | | | | | | | | | H ₂ SO ₄ : H ₂ | NaOH: Na | | |
| SAMPLE RECEIPT | Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | | | | H ₃ PO ₄ : HP | | | |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Thermometer ID: | | | | | | | | | | | | | | | | | | | NaHSO ₄ : NABIS | | | |
| Cooler Custody Seals: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Correction Factor: | | | | | | | | | | | | | | | | | | | Na ₂ S ₂ O ₃ : NASO ₃ | | | |
| Sample Custody Seals: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Temperature Reading: | | | | | | | | | | | | | | | | | | | Zn Acetate+NaOH: Zn | | | |
| Total Containers: | | Corrected Temperature: | | | | | | | | | | | | | | | | | | | NaOH+Ascorbic Acid: SAPC | | | |
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | | | | | | | | | | | | | | | | | Sample Comments | |
| SS01 | S | 1/27/2023 | 10:30 | 0.5' | Grab/ | 1 | | | | | | | | | | | | | | | | | Incident ID: | |
| SS02 | S | 1/27/2023 | 10:35 | 0.5' | Grab/ | 1 | | | | | | | | | | | | | | | | | NAPP2235642838 | |
| SS03 | S | 1/27/2023 | 10:40 | 0.5' | Grab/ | 1 | | | | | | | | | | | | | | | | | Cost Center: | |
| SS04 | S | 1/27/2023 | 10:45 | 0.5' | Grab/ | 1 | | | | | | | | | | | | | | | | | 1851151001 | |
| | | | | | | | | | | | | | | | | | | | AFE: | | | | | |



890-3976 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

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

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

| | | | | | |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 1-27-23 1406 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3976-1

SDG Number: 03C1558150

Login Number: 3976

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3976-1

SDG Number: 03C1558150

Login Number: 3976

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/03/23 01:00 PM

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 2/9/2023 7:38:05 PM

JOB DESCRIPTION

PLU 29 BS CTB
SDG NUMBER 03C1558150


JOB NUMBER

890-3977-1

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
2/9/2023 7:38:05 PM

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

Client: Ensolum
Project/Site: PLU 29 BS CTB

Laboratory Job ID: 890-3977-1
SDG: 03C1558150

Table of Contents

| | |
|----------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| Surrogate Summary | 10 |
| QC Sample Results | 11 |
| QC Association Summary | 15 |
| Lab Chronicle | 17 |
| Certification Summary | 19 |
| Method Summary | 20 |
| Sample Summary | 21 |
| Chain of Custody | 22 |
| Receipt Checklists | 23 |

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

Definitions/Glossary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Job ID: 890-3977-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-3977-1****Receipt**

The samples were received on 1/27/2023 2:06 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 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-3977-1), PH01A (890-3977-2), PH02 (890-3977-3) and PH02A (890-3977-4).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45704 and analytical batch 880-45735 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3975-A-1-D MS) and (890-3975-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45704 and analytical batch 880-45735 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH01

Lab Sample ID: 890-3977-1

Date Collected: 01/27/23 09:45

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 17:57 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:22 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 95 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:22 | 1 |
| o-Terphenyl | 102 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:22 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 95.2 | | 5.00 | mg/Kg | | | 02/03/23 23:23 | 1 |

Client Sample ID: PH01A

Lab Sample ID: 890-3977-2

Date Collected: 01/27/23 09:50

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 1'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 18:18 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH01A

Lab Sample ID: 890-3977-2

Date Collected: 01/27/23 09:50

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 1'

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 18:18 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:43 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:43 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 01:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 111 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:43 | 1 |
| o-Terphenyl | 122 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 01:43 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 92.2 | | 4.98 | mg/Kg | | | 02/03/23 23:28 | 1 |

Client Sample ID: PH02

Lab Sample ID: 890-3977-3

Date Collected: 01/27/23 09:55

Matrix: Solid

Date Received: 01/27/23 14:06

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 | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 18:38 | 1 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 18:38 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/09/23 09:48 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH02

Lab Sample ID: 890-3977-3

Date Collected: 01/27/23 09:55

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 0.5'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:25 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:25 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 95 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 02:25 | 1 |
| o-Terphenyl | 104 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 02:25 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 206 | | 4.97 | mg/Kg | | | 02/05/23 14:26 | 1 |

Client Sample ID: PH02A

Lab Sample ID: 890-3977-4

Date Collected: 01/27/23 10:00

Matrix: Solid

Date Received: 01/27/23 14:06

Sample Depth: 1'

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 | | | 02/09/23 08:10 | 02/09/23 18:59 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/09/23 20:25 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 02/09/23 09:48 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:47 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 02/07/23 13:19 | 02/09/23 02:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 02:47 | 1 |
| o-Terphenyl | 102 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 02:47 | 1 |

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH02A
Date Collected: 01/27/23 10:00
Date Received: 01/27/23 14:06
Sample Depth: 1'

Lab Sample ID: 890-3977-4
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Chloride | 239 | | 5.02 | mg/Kg | | | 02/05/23 14:31 | 1 | |

Surrogate Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-24448-A-1-G MS | Matrix Spike | 99 | 97 |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | 90 | 98 |
| 890-3977-1 | PH01 | 116 | 100 |
| 890-3977-2 | PH01A | 115 | 108 |
| 890-3977-3 | PH02 | 114 | 101 |
| 890-3977-4 | PH02A | 118 | 110 |
| LCS 880-45842/1-A | Lab Control Sample | 100 | 98 |
| LCSD 880-45842/2-A | Lab Control Sample Dup | 105 | 100 |
| MB 880-45842/5-A | Method Blank | 89 | 92 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 890-3975-A-1-D MS | Matrix Spike | 191 S1+ | 194 S1+ |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | 207 S1+ | 204 S1+ |
| 890-3977-1 | PH01 | 95 | 102 |
| 890-3977-2 | PH01A | 111 | 122 |
| 890-3977-3 | PH02 | 95 | 104 |
| 890-3977-4 | PH02A | 94 | 102 |
| LCS 880-45704/2-A | Lab Control Sample | 104 | 114 |
| LCSD 880-45704/3-A | Lab Control Sample Dup | 100 | 110 |
| MB 880-45704/1-A | Method Blank | 116 | 132 S1+ |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45842/5-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/09/23 08:10 | 02/09/23 10:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 10:46 | 1 |
| 1,4-Difluorobenzene (Surr) | 92 | | 70 - 130 | 02/09/23 08:10 | 02/09/23 10:46 | 1 |

Lab Sample ID: LCS 880-45842/1-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 0.100 | 0.08599 | | mg/Kg | | 86 | 70 - 130 |
| Toluene | 0.100 | 0.08525 | | mg/Kg | | 85 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08087 | | mg/Kg | | 81 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1695 | | mg/Kg | | 85 | 70 - 130 |
| o-Xylene | 0.100 | 0.08679 | | mg/Kg | | 87 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

Lab Sample ID: LCSD 880-45842/2-A

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100 | 0.09372 | | mg/Kg | | 94 | 70 - 130 | 9 | 35 |
| Toluene | 0.100 | 0.09160 | | mg/Kg | | 92 | 70 - 130 | 7 | 35 |
| Ethylbenzene | 0.100 | 0.08712 | | mg/Kg | | 87 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1818 | | mg/Kg | | 91 | 70 - 130 | 7 | 35 |
| o-Xylene | 0.100 | 0.09322 | | mg/Kg | | 93 | 70 - 130 | 7 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: 880-24448-A-1-G MS

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00199 | U | 0.0998 | 0.08223 | | mg/Kg | | 82 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0998 | 0.08183 | | mg/Kg | | 82 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

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

Lab Sample ID: 880-24448-A-1-G MS

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00199 | U | 0.0998 | 0.07809 | | mg/Kg | | 78 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1613 | | mg/Kg | | 81 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.08235 | | mg/Kg | | 83 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | MS Limits |
|-----------------------------|--------------|--------------|-----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 |

Lab Sample ID: 880-24448-A-1-H MSD

Matrix: Solid

Analysis Batch: 45840

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45842

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.00199 | U | 0.100 | 0.09844 | | mg/Kg | | 98 | 70 - 130 | 18 | 35 |
| Toluene | <0.00199 | U | 0.100 | 0.09344 | | mg/Kg | | 93 | 70 - 130 | 13 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.08327 | | mg/Kg | | 83 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1674 | | mg/Kg | | 84 | 70 - 130 | 4 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.08564 | | mg/Kg | | 85 | 70 - 130 | 4 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | MSD Limits |
|-----------------------------|---------------|---------------|------------|
| 4-Bromofluorobenzene (Surr) | 90 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

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

Lab Sample ID: MB 880-45704/1-A

Matrix: Solid

Analysis Batch: 45735

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45704

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/08/23 20:37 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|-----------|----------------|----------------|---------|
| 1-Chlorooctane | 116 | | 70 - 130 | 02/07/23 13:19 | 02/08/23 20:37 | 1 |
| o-Terphenyl | 132 | S1+ | 70 - 130 | 02/07/23 13:19 | 02/08/23 20:37 | 1 |

Lab Sample ID: LCS 880-45704/2-A

Matrix: Solid

Analysis Batch: 45735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45704

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 860.6 | | mg/Kg | | 86 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 909.7 | | mg/Kg | | 91 | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

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

Lab Sample ID: LCS 880-45704/2-A
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45704

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 104 | | 70 - 130 |
| o-Terphenyl | 114 | | 70 - 130 |

Lab Sample ID: LCSD 880-45704/3-A
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 917.2 | | mg/Kg | | 92 | 70 - 130 | 6 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 932.0 | | mg/Kg | | 93 | 70 - 130 | 2 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 100 | | 70 - 130 |
| o-Terphenyl | 110 | | 70 - 130 |

Lab Sample ID: 890-3975-A-1-D MS
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U F1 | 995 | 1634 | F1 | mg/Kg | | 164 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.8 | U F1 | 995 | 1867 | F1 | mg/Kg | | 188 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 191 | S1+ | 70 - 130 |
| o-Terphenyl | 194 | S1+ | 70 - 130 |

Lab Sample ID: 890-3975-A-1-E MSD
Matrix: Solid
Analysis Batch: 45735

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 45704

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U F1 | 999 | 1813 | F1 | mg/Kg | | 181 | 70 - 130 | 10 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U F1 | 999 | 1990 | F1 | mg/Kg | | 199 | 70 - 130 | 6 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 207 | S1+ | 70 - 130 |
| o-Terphenyl | 204 | S1+ | 70 - 130 |

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Method: 300.0 - Anions, Ion Chromatography

| | | | | | | | | | | | |
|---|-----------|--------------|------|-------|---|----------|----------------|---------|--|--|--|
| Lab Sample ID: MB 880-45095/1-A Matrix: Solid Analysis Batch: 45420 | | | | | | | | | | Client Sample ID: Method Blank Prep Type: Soluble | |
| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | | |
| Chloride | <5.00 | U | 5.00 | mg/Kg | | | 02/03/23 21:32 | 1 | | | |

| | | | | | | | | | | | |
|--|--|--|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-45095/2-A Matrix: Solid Analysis Batch: 45420 | | | | | | | | | | Client Sample ID: Lab Control Sample Prep Type: Soluble | |
| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
| Chloride | | | 250 | 258.9 | | mg/Kg | | 104 | 90 - 110 | | |

| | | | | | | | | | | | |
|---|--|--|-------------|-------------|----------------|-------|---|------|-------------|--|-----------|
| Lab Sample ID: LCSD 880-45095/3-A Matrix: Solid Analysis Batch: 45420 | | | | | | | | | | Client Sample ID: Lab Control Sample Dup Prep Type: Soluble | |
| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride | | | 250 | 248.1 | | mg/Kg | | 99 | 90 - 110 | 4 | 20 |

| | | | | | | | | | | | |
|--|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 890-3976-A-2-E MS Matrix: Solid Analysis Batch: 45420 | | | | | | | | | | Client Sample ID: Matrix Spike Prep Type: Soluble | |
| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
| Chloride | 49.9 | | 248 | 302.6 | | mg/Kg | | 102 | 90 - 110 | | |

QC Association Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

GC VOA

Analysis Batch: 45840

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | 8021B | 45842 |
| 890-3977-2 | PH01A | Total/NA | Solid | 8021B | 45842 |
| 890-3977-3 | PH02 | Total/NA | Solid | 8021B | 45842 |
| 890-3977-4 | PH02A | Total/NA | Solid | 8021B | 45842 |
| MB 880-45842/5-A | Method Blank | Total/NA | Solid | 8021B | 45842 |
| LCS 880-45842/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 45842 |
| LCSD 880-45842/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 45842 |
| 880-24448-A-1-G MS | Matrix Spike | Total/NA | Solid | 8021B | 45842 |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 45842 |

Prep Batch: 45842

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | 5035 | |
| 890-3977-2 | PH01A | Total/NA | Solid | 5035 | |
| 890-3977-3 | PH02 | Total/NA | Solid | 5035 | |
| 890-3977-4 | PH02A | Total/NA | Solid | 5035 | |
| MB 880-45842/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-45842/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-45842/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-24448-A-1-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24448-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 45937

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | Total BTEX | |
| 890-3977-2 | PH01A | Total/NA | Solid | Total BTEX | |
| 890-3977-3 | PH02 | Total/NA | Solid | Total BTEX | |
| 890-3977-4 | PH02A | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 45704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | 8015NM Prep | |
| 890-3977-2 | PH01A | Total/NA | Solid | 8015NM Prep | |
| 890-3977-3 | PH02 | Total/NA | Solid | 8015NM Prep | |
| 890-3977-4 | PH02A | Total/NA | Solid | 8015NM Prep | |
| MB 880-45704/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-45704/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-45704/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-3975-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 45735

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | 8015B NM | 45704 |
| 890-3977-2 | PH01A | Total/NA | Solid | 8015B NM | 45704 |
| 890-3977-3 | PH02 | Total/NA | Solid | 8015B NM | 45704 |
| 890-3977-4 | PH02A | Total/NA | Solid | 8015B NM | 45704 |
| MB 880-45704/1-A | Method Blank | Total/NA | Solid | 8015B NM | 45704 |
| LCS 880-45704/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 45704 |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

GC Semi VOA (Continued)

Analysis Batch: 45735 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-45704/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 45704 |
| 890-3975-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 45704 |
| 890-3975-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 45704 |

Analysis Batch: 45874

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3977-1 | PH01 | Total/NA | Solid | 8015 NM | |
| 890-3977-2 | PH01A | Total/NA | Solid | 8015 NM | |
| 890-3977-3 | PH02 | Total/NA | Solid | 8015 NM | |
| 890-3977-4 | PH02A | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 45095

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3977-1 | PH01 | Soluble | Solid | DI Leach | |
| 890-3977-2 | PH01A | Soluble | Solid | DI Leach | |
| 890-3977-3 | PH02 | Soluble | Solid | DI Leach | |
| 890-3977-4 | PH02A | Soluble | Solid | DI Leach | |
| MB 880-45095/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-45095/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-45095/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-3976-A-2-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-3976-A-2-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 45420

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3977-1 | PH01 | Soluble | Solid | 300.0 | 45095 |
| 890-3977-2 | PH01A | Soluble | Solid | 300.0 | 45095 |
| 890-3977-3 | PH02 | Soluble | Solid | 300.0 | 45095 |
| 890-3977-4 | PH02A | Soluble | Solid | 300.0 | 45095 |
| MB 880-45095/1-A | Method Blank | Soluble | Solid | 300.0 | 45095 |
| LCS 880-45095/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 45095 |
| LCSD 880-45095/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 45095 |
| 890-3976-A-2-E MS | Matrix Spike | Soluble | Solid | 300.0 | 45095 |
| 890-3976-A-2-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 45095 |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH01
Date Collected: 01/27/23 09:45
Date Received: 01/27/23 14:06

Lab Sample ID: 890-3977-1
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 17:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45937 | 02/09/23 20:25 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45874 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 01:22 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/03/23 23:23 | CH | EET MID |

Client Sample ID: PH01A
Date Collected: 01/27/23 09:50
Date Received: 01/27/23 14:06

Lab Sample ID: 890-3977-2
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 18:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45937 | 02/09/23 20:25 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45874 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 01:43 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/03/23 23:28 | CH | EET MID |

Client Sample ID: PH02
Date Collected: 01/27/23 09:55
Date Received: 01/27/23 14:06

Lab Sample ID: 890-3977-3
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 18:38 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45937 | 02/09/23 20:25 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45874 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 02:25 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 14:26 | CH | EET MID |

Client Sample ID: PH02A
Date Collected: 01/27/23 10:00
Date Received: 01/27/23 14:06

Lab Sample ID: 890-3977-4
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 45842 | 02/09/23 08:10 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45840 | 02/09/23 18:59 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45937 | 02/09/23 20:25 | AJ | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Client Sample ID: PH02A

Date Collected: 01/27/23 10:00

Date Received: 01/27/23 14:06

Lab Sample ID: 890-3977-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015 NM | | 1 | | | 45874 | 02/09/23 09:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 45704 | 02/07/23 13:19 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 45735 | 02/09/23 02:47 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 45095 | 01/30/23 16:15 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45420 | 02/05/23 14:31 | CH | EET MID |

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: PLU 29 BS CTB

Job ID: 890-3977-1
SDG: 03C1558150

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3977-1 | PH01 | Solid | 01/27/23 09:45 | 01/27/23 14:06 | 0.5' |
| 890-3977-2 | PH01A | Solid | 01/27/23 09:50 | 01/27/23 14:06 | 1' |
| 890-3977-3 | PH02 | Solid | 01/27/23 09:55 | 01/27/23 14:06 | 0.5' |
| 890-3977-4 | PH02A | Solid | 01/27/23 10:00 | 01/27/23 14:06 | 1' |

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



Environment Testing
Xerco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 505-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

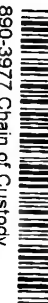
Work Order No:

www.xenco.com Page

Page

| | | | |
|------------------|-------------------------|-------------------------|---|
| Project Manager: | Ben Beilli | Bill to: (if different) | Garret Green |
| Company Name: | Ensolum | Company Name: | XTO Energy |
| Address: | 3122 National Parks Hwy | Address: | 3104 E. Green St. |
| City, State ZIP: | Carlsbad, NM 88220 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 989-854-0852 | Email: | Garret.Green@ExxonMobil.com bbeilli@ensolum.com |

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

| | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---------------|------------------|--|--|--|--|--|--|--|---|--|--------------------|--|--|--|
| Project Name: | | PLU 29 BS CTB | | Turn Around | | Pres. Code | ANALYSIS REQUEST | | | | | | | | | | Preservative Codes | | | |
| Project Number: | | 03C1558150 | | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | | | | | | | | | | | | | | | | |
| Project Location: | | 32.10485, -103.80246 | | Due Date: | | | | | | | | | | | Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SASC | | | | | |
| Sampler's Name: | | Kase Parker | | TAT starts the day received by the lab, if received by 4:30pm | | | | | | | | | | | | | | | | |
| PO #: | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT | | Temp Blank: | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Wet Ice: | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | |
| Samples Received Intact: | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Thermometer ID: | | Tm-057 | | | | | | | | | | | | | | |
| Cooler Custody Seals: | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Correction Factor: | | -0.2 | | | | | | | | | | | | | | |
| Sample Custody Seals: | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Temperature Reading: | | 1.4 | | | | | | | | | | | | | | |
| Total Containers: | | | | Corrected Temperature: | | 1.2 | | | | | | | | | | | | | | |
| Parameters | | | | | | | | | | | | | | | | | | | | |
| RIDES (EPA: 300.0) | | | | | | | | | | | | | | | | | | | | |
| 015) | | | | | | | | | | | | | | | | | | | | |
| 8021 | | | | | | | | | | | | | | | | | | | | |
|  890-3977 Chain of Custody | | | | | | | | | | | | | | | | | | | | |

[illegible]

Total 200.7 / 6010 200.8 / 6020:
Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i> | | | | | |
| <i>[Signature]</i> | <i>[Signature]</i> | 1-27-23 14:06 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Revised Date: 08/25/2020 Rev. 2020

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3977-1

SDG Number: 03C1558150

Login Number: 3977

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3977-1

SDG Number: 03C1558150

Login Number: 3977

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/03/23 01:00 PM

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



APPENDIX E

NMOCD Notifications

From: [Green, Garrett J](#)
To: ocd.enviro@emnrd.nm.gov; [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Cc: [Tacoma Morrissey; DelawareSpills /SM](#)
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

District IV

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

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

CONDITIONS

Action 195402

CONDITIONS

| | |
|---|---|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 195402 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| rhamlet | The Closure Report is Approved. The "step-out" samples on pad to verify the edge of the release should only be a maximum of 1-2 feet from the observed edge of the release. Stepping out away from the release area toward the edge of the pad may tell us whether or not the release left the active well pad, but it does not tell us where the actual edge of the release is located. When equipment is located in and around the release area, samples must come from the sidewalls of the release area excavation. The OCD needs to know if the release went in, around, or under equipment/tanks/pipelines. Not having sidewall samples from the actual excavation won't give us those sampling data points that we need. "Step-out" samples should never be conducted if equipment is in the vicinity of the release area. If the release area is not laterally defined on future reports, the report will be immediately denied. | 7/18/2023 |