Oil Conservation Division

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.

| <u>Closure Report Attachment Checklist</u> : 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 OD | C District office must be notified 2 days prior to final sampling) | | |
| Description of remediation activities | | | |
| | | | |
| and regulations all operators are required to report and/or file certaid may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the C Printed Name: _Garrett Green | ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in | | |
| OCD Only | | | |
| Received by: Jocelyn Harimon | Date:04/13/2023 | | |
| 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: <u>Robert Hamlet</u> | Date: 8/30/2023 | | |
| Printed Name: Robert Hamlet | Title: Environmental Specialist - Advanced | | |

Page 6

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 | NAPP2302355577 |
|----------------|----------------|
| 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 32.53388

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name Avalon Delaware Unit 624 | Site Type Well |
|-------------------------------------|---------------------------|
| Date Release Discovered $1/12/2023$ | API# (if applicable) Eddy |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D | 32 | 208 | 28E | |

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) | | | | |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|--|
| ▼ Crude Oil | Volume Released (bbls) 0.27 | Volume Recovered (bbls) 0.20 | | |
| Produced Water | Volume Released (bbls) 27.09 | Volume Recovered (bbls) 19.80 | | |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes X No | | |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) | | |
| 🗌 Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) | | |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) | | |
| Cause of Release Corros contrac | l ion on a flowline allowed fluids to release to soil. A va tor has been retained for remediation purposes. | L cuum truck recovered all free fluids. A third-party | | |

Page 2

NA

Oil Conservation Division

| Incident ID | NAPP2302355577 |
|----------------|----------------|
| District RP | |
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| Was this a major release as defined by 19.15.29.7(A) NMAC? X Yes No | If YES, for what reason(s) does the responsible party consider this a major release? A release equal to or greater than 25 barrels. | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|
| If YES, was immediate no | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |
| Yes, by Melanie Collins to ocd.enviro (ocd.enviro@emnrd.nm.gov); , Bratcher, Michael, EMNRD, Hamlet, Robert, EMNRD and Harimon, Jocelyn, EMNRD on 1/13/2023 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

 \checkmark The source of the release has been stopped.

★ The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

▲ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have <u>not</u> been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

| Printed Name: | Title: SSHE Coordinator |
|----------------------------|----------------------------------------|
| Signature: Satt Succession | Date: $\frac{1/23/2023}{575-200-0729}$ |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |
| | |

| Location: | ADU 624 | |
|-----------------------|--------------------------------|-----------|
| Spill Date: | 1/12/2023 | |
| | Area 1 | |
| Approximate A | rea = 1654.0 | 0 sq. ft. |
| Average Satura | tion (or depth) of spill = 2.0 | 0 inches |
| Average Porosi | ty Factor = 0.1 | 5 |
| | VOLUME OF LEAK | |
| Total Crude Oil | = 0.2 | 7 bbls |
| Total Produced | Water = 27.0 | 9 bbls |
| | TOTAL VOLUME OF LEAK | |
| Total Crude Oi | = 0.2 | 7 bbls |
| Total Produced | Water = 27.0 | 9 bbls |
| | TOTAL VOLUME RECOVERED | |
| Total Crude Oi | = 0.2 | 0 bbls |
| Total Produced | Water = 19.8 | 0 bbls |

Oil Conservation Division

| | Page 5 of 19 |
|----------------|----------------|
| Incident ID | NAPP2302355577 |
| 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? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | X Yes 🗌 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🖂 Yes 🗌 No |

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

| Received by OCD: 4/13/20 | 23 7:05:29 AM State of New Me | exico | | Page 6 of 1 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------|
| | | | Incident ID | NAPP2302355577 |
| Page 4 | Oil Conservation D | 01V1S10n | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| public health or the environment failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:Garrett Consignature: | | ort by the OCD does not relieve the pose a threat to groundwater, surfa- | e operator of liability sho ce water, human health iance with any other fec nator | ould their operations have or the environment. In |
| OCD Only Received by: Joce | lyn Harimon | Date:04/1 | 3/2023 | |

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| Incident ID | NAPP2302355577 |
|----------------|----------------|
| 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.

| <u>Closure Report Attachment Checklist</u> : Each of the following it | tems must be included in the closure report. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the O Printed Name: Garrett Green Signature: State. | nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in |
| OCD Only | |
| Received by: Jocelyn Harimon | Date: 04/13/2023 |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |

ENSOLUM

April 12, 2023

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

Re: Closure Request Avalon Delaware Unit 624 Incident Numbers NAPP2302355577 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 the site assessment, excavation, and soil sampling activities completed at the Avalon Delaware Unit 624 (Site). The purpose of the remediation activities was to address impacted soil resulting from a flow line release of crude oil and produced water into the Site's surrounding pasture and into an excavation associated with previously closed Incident Numbers NAPP2123634554 and NAPP2215449179. Based on the remedial activites completed to remove impacted soil, XTO is submitting this *Closure Request*, describing site assessment and excavation activities that have occurred and requesting closure for Incident Number NAPP2302355577.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 32, Township 20 South, Range 28 East, in Eddy County, New Mexico (32.53388°, -104.20765°) and is associated with oil and gas exploration and production operations on New Mexico State Land. Figure 1 depicts the site location on a topographic map.

On January 12, 2023, corrosion of a flow line resulted in the release of approximately 0.27 barrels (bbls) of crude oil and 27.09 bbls of produced water to the surrounding pasture and into an existing excavation. The excavation was the result of remediation activities conducted for separate Incident Numbers NAPP2123634554 and NAPP2215449179. A vacuum truck was dispatched immediately and approximately 0.20 bbls of crude oil and 19.80 bbls of produced water were recovered. XTO reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email on January 13, 2023 and subsequently submitted a Release Notification Form C-141 (Form C-141) on January 23, 2023. The release was assigned Incident Number NAPP2302355577.

The previous incidents were addressed as detailed in an approved *Remediation Work Plan (Work Plan),* dated May 5, 2022. The *Work Plan* was approved by NMOCD on July 20, 2022 via email, with the following conditions:

• The Remediation Plan is conditionally approved: The release will need to be remediated to the strictest closure criteria standards due to high karst potential. Please collect confirmation samples, representing no more than 200 [square feet]. The liner installation is only approved at 4 feet [below ground surface] (bgs) if all floor samples show [total petroleum hydrocarbons] (TPH) less than 100 [milligrams per kilogram] (mg/kg). Floor samples must be excavated to the strictest closure criteria, backfilled to 4 feet bgs with clean material, and then the liner installed. Samples

XTO Energy, Inc Closure Request Avalon Delaware Unit 624

must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur in 90 days after the work plan has been approved.

At the time of this new release, excavation of the previous releases had been completed and results submitted to the NMOCD in a *Closure Request*, dated November 17, 2022. The *Closure Request* was approved by NMOCD, and XTO was in the process of scheduling liner installation and backfilling when the new release occurred. In order to address the impacts to soil as quickly as possible and to finalize liner installation and backfilling, XTO conducted delineation and excavation activities immediately.

What follows is a description of the work completed in compliance with the approved *Work Plan* and *Closure Request* to address the previous releases, Incident Numbers NAPP2123634554 and NAPP2215449179, and work conducted to address new soil impacts for the most recent release, Incident Number NAPP2302355577.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply due to high karst potential:

- Benzene: 10 mg/kg
- BTEX: 50 mg/kg
- TPH: 100 mg/kg
- Chloride: 600 mg/kg

INITIAL DELINEATION ACTIVITIES

On February 6, 2023 Ensolum personnel were at the Site to complete site assessment and delineation activities for the release based on information provided on the Form C-141s and visible surface staining observed in the release area. Potholes PH01 and PH02 were advanced via track-hoe within the accessible portion (i.e. outside of the existing excavation) of the release footprint to assess the vertical extent of impacted soil. The potholes were advanced to a maximum depth of 19 feet below ground surface (bgs). Delineation soil samples were collected from each pothole at depths ranging from 0.5 feet to 19 feet bgs. Soil from the potholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips. Field screening results and observations for the potholes were logged on lithologic soil sampling logs, which are included in Appendix A. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

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

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XTO Energy, Inc Closure Request Avalon Delaware Unit 624

Laboratory analytical results for delineation soil samples collected from potholes PH01 and PH02 indicated TPH and chloride concentrations exceeded the Site Closure Criteria. Elevated TPH concentrations were restricted to the ground surface. Elevated chloride concentrations occurred at depths ranging from 0.5 feet to 19 feet bgs. The terminal sample in pothole PH02, collected at 8 feet bgs was compliant with the Site Closure Criteria. The delineation soil sample locations are depicted on Figure 2. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix C.

EXCAVATION ACTIVITIES

Between February 9, 2023 and February 20, 2023, Ensolum personnel were at the Site to complete excavation activities. Excavation was performed using a track-mounted backhoe and transport vehicles. The excavation was initiated to first address the impacts to the pasture that had not reached the open excavation. Soil in this area was excavated to a maximum depth of 5.5 feet bgs and following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. Composite soil samples FS01 through FS09 were collected from the floor of the excavation at depths ranging from 4 feet to 5.5 feet bgs. Composite soil samples SW01 through SW05 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 4 feet bgs. The soil samples were handled as described above at Eurofins in Carlsbad, New Mexico. Laboratory analytical results for the excavation floor samples FS03 and FS05 indicated TPH concentrations exceeded the Site Closure Criteria and additional remediation activities were warranted. Additional soil was removed from the vicinity and subsequent excavation soil samples FS03A and FS05A were collected at depths ranging from 5 feet to 5.5 feet bgs.

In order to address the impacts to soil within the existing excavation, Ensolum personnel oversaw the safe removal of soil from an existing excavation, which was already 20 feet deep in some places. An engineered excavation plan was implemented, which included sloping and benching of the clean sidewalls. Soil removed during sloping was stockpiled a safe distance from the excavation. Once the track-mounted backhoe could safely enter the excavation to operate on designed benches, removal of the more recently impacted soil began. The new excavation was completed to depths ranging from 12 feet bgs to 24 feet bgs, though the existing excavation only needed deepening by an additional 2 feet. Composite soil samples FS10 through FS14 were collected from the floors of the excavation and included soil representing the additional 2 feet of sidewalls exposed to remediate the new release. The final excavation extent and excavation soil sample locations are presented on Figure 3.

An additional delineation pothole, PH03, was advanced in the deepest area of the excavation floor. The pothole was advanced to 30 feet bgs. Delineation soil samples were collected from the pothole at depths of 26, 28, and 30 feet bgs. Soil from the potholes was field screened for VOCs and chloride and field screening results and observations were logged on a lithologic soil sampling log, which is included in Appendix A. The soil samples were handled as described above at Eurofins in Carlsbad, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples FS04, FS05A, FS06, and FS07 and sidewall samples SW01 through SW05, collected in the pasture excavation, indicated all COC concentrations are compliant with the Site Closure Criteria. Laboratory analytical results for excavation soil samples FS01, FS02, FS03A, FS08, and FS09, collected at or below 4 feet, indicate all COC concentrations except chloride are compliant with the Site Closure Criteria. Within the existing excavation confirmation samples FS08 through FS14 exceeded the Site Closure Criteria for chloride. Chloride concentrations exceeding 600 mg/kg exist in the subsurface below 4 feet to a maximum depth of 26 feet bgs based on results from delineation pothole PH03.

Page 3

XTO Energy, Inc Closure Request Avalon Delaware Unit 624

A total of approximately 300 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. The final area of the excavation extended approximately 2,170 square feet. Upon completion of excavation activities, the excavation was backfilled to 4 feet bgs with backfill materials procured locally, including some of the clean sidewalls and floors or the original excavation that were stockpiled onsite. A 20-mil impermeable liner was installed over the chloride-impacted soil to mitigate further chloride impacts to the subsurface, as previously approved in the *Work Plan*. Ensolum extended the liner to include areas of the new release. Once the liner was installed, the entirety of the excavation was backfilled with locally procured topsoil and recontoured to match existing Site conditions.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the release of produced crude oil and water. Laboratory analytical results for the excavation soil samples indicated benzene, BTEX, TPH concentrations were compliant with the Site Closure Criteria. In addition, all impacted soil was removed from the top 4 feet of the subsurface and confirmation samples indicate chloride concentrations in the top 4 feet meet the Site Closure Criteria. XTO installed a 20-mil impermeable liner at 4 feet bgs over the deeper chloride impacted soil as approved in the *Work Plan* and *Closure Request* for incident numbers NAPP2123634554 and NAPP2215449179. The liner was extended to the north to address elevated chloride below 4 feet in the new release extent. The liner was backfilled with locally procured topsoil. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

XTO believes these remedial actions are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number NAPP2302355577. As such, XTO is requesting approval of this *Closure Request*. If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, Ensolum, LLC

Mouissey

Tacoma Morrissey, MS Senior Geologist

cc: Garrett Green, XTO Shelby Pennington, XTO New Mexico State Land

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Figure 4 Liner Installation Map
- Table 1Soil Sample Analytical Results
- Appendix A Lithologic / Soil Sampling Logs
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports and Chain of Custody Documentation
- Appendix D NMOCD Notifications

Ashley L. ager

Ashley L. Ager, MS, PG Principal





FIGURES

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Delineation Soil Sample Locations

Avalon Delaware Unit 624 XTO ENERGY, INC Incident ID: nAPP2302355577 Unit D, Section 32, Township 20 South, Range 28 East Eddy County, New Mexico

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Environmental, Engineering and Hydrogeologic Consultants

ENSOLUM

FIGURE

2

FIGURE

3



Excavation Soil Sample Locations

Avalon Delaware Unit 624 XTO ENERGY, INC Incident ID: nAPP2302355577 Unit D, Section 32, Township 20 South, Range 28 East Eddy County, New Mexico

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Environmental, Engineering and Hydrogeologic Consultants

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Liner Installation Map

Avalon Delaware Unit 624 XTO ENERGY, INC Incident ID: nAPP2302355577 Unit D, Section 32, Township 20 South, Range 28 East Eddy County, New Mexico FIGURE

4

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TABLES

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| | | | SOI | L SAMPLE AI Avalon De XTO EI | ABLE 1 NALYTICAL laware Unit NERGY, INC nty, New Me: | 624 | | | | |
|-------------|-------------------------------|-------------------------------|------------------------|------------------------------------|------------------------------------------------------------------|--------------------|---------------------|--------------------|----------------------|---------------------|
| 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 | e I Closure Crit 19.15.29) | eria (NMAC | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| | | | | Delineatio | n Soil Sample | es | | | I I | |
| PH01 | 02/06/2023 | 0.5 | 0.174 | 22.7 | 298 | 1,750 | 128 | 2,048 | 2,180 | 1,660 |
| PH01A | 02/06/2023 | 4 | 0.0571 | 0.0877 | <49.9 | <u>84.9</u> | <49.9 | 84.9 | 84.9 | 5,780 |
| PH01B | 02/06/2023 | 16 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 4,800 |
| PH01C | 02/06/2023 | 19 | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,440 |
| PH02 | 02/06/2023 | 0.5 | 0.541 | 22.0 | 317 | 966 | 120 | 1,283 | 1,400 | 616 |
| PH02A | 02/06/2023 | 4 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,130 |
| PH02B | 02/06/2023 | 8 | <0.00200 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 365 |
| PH03 | 02/20/2023 | 26 | <0.00198 | <0.00397 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 2,080 |
| PH03A | 02/20/2023 | 28 | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 955 |
| PH03B | 02/20/2023 | 30 | <0.00198 | <0.00198 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 572 |
| | | | | Confirmati | on Soil Samp | les | | | | |
| FS01 | 02/09/2023 | 4 | <0.0200 | 0.0589 | <49.9 | 85.8 | <49.9 | 85.8 | 85.8 | 3,710 |
| FS02 | 02/09/2023 | 4 | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,670 |
| FS03 | 02/09/2023 | 4 | <0.0199 | <0.0398 | <49.9 | 144 | <49.9 | 144 | 144 | 2,430 |
| FS03A | 02/22/2023 | 5 | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,530 |
| FS04 | 02/09/2023 | 4 | <0.0198 | <0.0396 | <49.8 | 62.9 | <49.8 | 62.9 | 62.9 | 384 |
| FS05 | 02/09/2023 | 4 | <0.0199 | <0.0398 | <50.0 | 112 | <50.0 | 112 | 112 | 488 |
| FS05A | 02/22/2023 | 5.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 149 |
| FS06 | 02/09/2023 | 4 | <0.00199 | <0.00398 | <50.0 | 78.4 | <50.0 | 78.4 | 78.4 | 442 |
| FS07 | 02/09/2023 | 4 | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 406 |
| FS08 | 02/09/2023 | 4 | <0.0200 | <0.0401 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 4,360 |
| FS09 | 02/09/2023 | 4 | <0.0200 | 0.134 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 1,550 |

Ensolum Released to Imaging: 8/30/2023 11:15:58 AM

🖻 ENSOLUM

| | TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Avalon Delaware Unit 624 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 Crite 19.15.29) | eria (NMAC | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| FS10 | 02/09/2023 | 12 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 2,190 |
| FS11 | 02/09/2023 | 12 | <0.00199 | 0.00440 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,630 |
| FS12 | 02/20/2023 | 16 | <0.00200 | <0.00401 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 2,090 |
| FS13 | 02/20/2023 | 24 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,530 |
| FS14 | 02/20/2023 | 24 | <0.00198 | <0.00396 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,820 |
| SW01 | 02/07/2023 | 0 - 4 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 6.83 |
| SW02 | 02/07/2023 | 0 - 4 | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <5.00 |
| SW03 | 02/07/2023 | 0 - 4 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | <4.99 |
| SW04 | 02/07/2023 | 0 - 4 | <0.00200 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <4.95 |
| SW05 | 02/07/2023 | 0 - 4 | <0.00200 | <0.00401 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 7.82 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Lithologic Soil Sampling Logs

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| | | | | | | | | Sample Name: PH01 Date: 2/6/2023 |
|---------------------|-------------------|----------------|----------|-----------|-----------------------------|-------------------|---------------------|-----------------------------------------------------------------------------------------------|
| | | - | | - | 0 | | | Site Name: ADU 624 |
| | | E | N | 5 | 0 | LU | | Incident Number: NAPP2302355577 |
| ile and | | | | | | | | Job Number: 03C1558180 |
| | | | OGI | | SAMPLIN | 3106 | | Logged By: KP Method: Trackhoe |
| Coord | nates: 32 | | | - | | | | Hole Diameter: NA Total Depth: 19' |
| - | | | | | ith HACH C | hloride Test | Strips and | PID for chloride and vapor, respectively. Chloride test |
| | | | - | | | | • | actor is included. |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| | | | | | | ₽ | SP | 0-1' SAND, red, fine, poorly sorted, sub-rounded, very stained, very odorous. |
| D | 1,713 | 674 | Y | PH01 | 0.5 | 0.5 | | very stamed, very buorous. |
| D | 2749 | 232 | Y | | | 1 | | 1-2' SAND, red, fine, poorly sorted, sub-rounded |
| | | | | | - | Γ | | grains, slightly stained, odorous. |
| D | 4860 | 217 | Ν | | - | 2 | | 2-8' SAND, tan, fine grained, poorly sorted, sub- rounded grains, no stain, odorous. |
| D | 5756 | 132 | Ν | | - | 3 | | |
| D | 7946 | 18 | Ν | PH01A | 4 | 4 | | |
| | | | | | - | F | | |
| D | 5756 | 8.9 | N | | | 6 | | |
| D | 4452 | 13.5 | Ν | | - - | 8 | | 8-10' SAND, red, fine grained, poorly sorted, sub- rounded grains, no stain, odorous |
| М | 7946 | 12.4 | N | | | 10 | SP-SM | 10-12' SAND, tan, clay/sand mix, poorly sorted, sub-rounded grains, no stain, sulfur odor. |
| М | 4860 | 5.6 | N | | - - | 12 | | 12-16' SAND, red, clay/sand mix, poorly sorted, sub-rounded grains, no stain, sulfur odor. |
| Μ | 5756 | 2.4 | N | | | 14 | | |
| М | 4860 | 1.8 | Ν | PH01B | 16 | 16 | | 16-18' SAND, red, silt/sand mix, poorly sorted, sub-rounded grains, no stain, sulfur odor. |
| D | 5756 | 2.3 | N | | | 18 | | 18-19' SAND, tan/grey, clay/sand mix, poorly |
| D | 3292 | 0.9 | N | PH01C | 19 | 19 | | sorted, sub-rounded grains, no stain, sulfur odor. |
| | | | | | - - - - - | | TD | Total Depth @ 19' bgs |

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| | | | | | | | | Comple Nemer DU02 | Data: 2/5/2022 | | |
|---------------------|-------------------|----------------|----------|-----------|-----------------------------|-----------------------------------------|---------------------|------------------------------------------------------------------------------------|--------------------------------------------|--|--|
| | | - | | | - | | | Sample Name: PH02 | Date: 2/6/2023 | | |
| | | | N | S | 0 | LU | | Site Name: ADU 624 Incident Number: NAPP23023555 | 77 | | |
| | | - | | | - | | | Job Number: 03C1558180 | // | | |
| | | | 001 | | SAMPLIN | | | | Method: Trackhoe | | |
| Coord | inates: 32 | | | - | | 9109 | | Logged By: KP Hole Diameter: NA | Total Depth: 19' | | |
| | | | | | /ith HACH (| `hloride Test ' | Strins and | PID for chloride and vapor, respect | | | |
| | | | - | | | | | actor is included. | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Des | | | |
| | | | | | - | Щ | SP | 0-2' SAND, red, fine, poorly very stained, very odorou | sorted, sub-rounded, | | |
| D | 1,713 | 1357 | Y | PH02 | 0.5 | 0.5 | | | | | |
| D | 3365 | 943 | Y | | | 1 1 | | | | | |
| D | 3365 | 201 | N | | - | 2 | | 2 6' SAND tan fina grained | poorly corted sub | | |
| | | | IN | | - | Γ | | 2-6' SAND, tan, fine grained, poorly sorted, su rounded grains, no stain, odorous. | | | |
| D | 4065 | 35.5 | Ν | | - | 3 | | | | | |
| D | 5292 | 10.8 | Ν | PH02A | 4 | 1 4 | | | | | |
| | | | | | | ÷ | | | | | |
| D | 2200 | 40.1 | N | | - | - 6 - | CCHE | 6-10' CCHE, brown sand/cal sorted, sub-rounded grai | iche mix, poorly ns, no stain, no odor. | | |
| D | 280 | 7.5 | Ν | PH02B | 8 | 8 | | | | | |
| | 200 | 1 5 | | DUDDC | 10 | + + 10 | | | | | |
| | 280 | 1.5 | | PH02C | 10 | 10 | TD | Total Depth @ 10' | | | |
| | | | | | - | * * * * * * * * * * * * * * * * * * * * | | | | | |

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| | | | | | | | | Sample Name: PH03 | Date: 2/6/2023 |
|---------------------------------|----------------|-------|----------|-----------|-----------------------------|-------------------|---------------------|---------------------------------------------------------------------|------------------------------------------|
| | | | | - | 0. | | | Site Name: ADU 624 | Date. 2/0/2025 |
| | | | N | S | OL | | | Incident Number: NAPP230235557 | 77 |
| | | | | | | | | Job Number: 03C1558180 | |
| | | | | | AMPLING | | | Logged By: KP | Method: Trackhoe |
| Coordinate | | | | - | | | | Hole Diameter: NA | Total Depth: 19' |
| | | | | | ith HACH Ch | loride Test 9 | | PID for chloride and vapor, respect | |
| | | | - | | | | | actor is included. | ively. emonie test |
| Moisture Content Chloride | (ppm) Vapor | (bdm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Des | criptions |
| D 2,1 | 139 5 | 5.9 | N | PH03 | 26 | L 26 | ССНЕ | 26-30' CCHE, red/brown sar poorly sorted, sub-angula no odor. | nd/ caliche mix, ar grains, no stain, |
| D 52 | 0.8 | 2.7 | N | РН03А | 28 | 28 | | | |
| D 52 | 0.8 | 0.4 | Ν | РНОЗВ | 30 | 30 | TD | Total Depth @ 30' | |



APPENDIX B

Photographic Log







APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

Received by OCD: 4/13/2023 7:05:29 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/14/2023 8:28:09 AM

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558150

JOB NUMBER

890-4038-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.

Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/14/2023 8:28:09 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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| | Definitions/Glossary | | |
|------------------|-------------------------------------------------------------------------------------------------------------|--------------------|--|
| Client: Ensolum | | Job ID: 890-4038-1 | |
| Project/Site: AD | DU 641 | SDG: 03C1558150 | |
| Qualifiers | | | |
| GC VOA | | | |
| Qualifier | Qualifier Description | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| S1+ | Surrogate recovery exceeds control limits, high biased. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| GC Semi VOA | | | |
| Qualifier | Qualifier Description | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| S1- | Surrogate recovery exceeds control limits, low biased. | | |
| S1+ | Surrogate recovery exceeds control limits, high biased. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| | | | |
| HPLC/IC | Qualifier Description | | |
| Qualifier U | Qualifier Description | | |
| | 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" Minimum Detectable Activity (Radiochemistry) | | |
| MDA MDC | Minimum Detectable Activity (Radiocnemistry) 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) | | |
| TEO | Toxicity Equivalent Quotient (Dioxin) | | |
| TEQ | | | |

.

Case Narrative

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4038-1 SDG: 03C1558150

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.....

Job ID: 890-4038-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4038-1

Receipt

The samples were received on 2/6/2023 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

Receipt Exceptions

The following were received and analyzed from an unpreserved bulk soil jar: PH01 (890-4038-1), PH01A (890-4038-2), PH01B (890-4038-3), PH01C (890-4038-4), PH02 (890-4038-5), PH02A (890-4038-6), PH02B (890-4038-7) and PH02C (HOLD) (890-4038-8).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH01 (890-4038-1), PH01A (890-4038-2) and PH02 (890-4038-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-45779 and analytical batch 880-45814 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH01 (890-4038-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH01 (890-4038-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The 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: Surrogate recovery for the following samples were outside control limits: PH01 (890-4038-1) and PH02 (890-4038-5). 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

Job ID: 890-4038-1 SDG: 03C1558150

Client Sample ID: PH01

Date Collected: 02/06/23 09:10 Date Received: 02/06/23 15:45

Sample Depth: 0.5

Client: Ensolum

Project/Site: ADU 641

| Lab | Sample | ID: | 890-4038-1 |
|-----|--------|-----|------------|
| | | | |

Matrix: Solid

5

| Method: SW846 8021B - Volatile Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------------------------------------------|----------------|-------------------------------------|----------|----------------------------|----------|----------------------------|----------------|-----------|
| Benzene | 0.174 | | 0.0401 | mg/Kg | | 02/08/23 11:21 | 02/09/23 13:31 | 2 |
| Toluene | 0.777 | | 0.0996 | mg/Kg | | 02/13/23 08:16 | 02/13/23 14:46 | 5 |
| Ethylbenzene | 7.48 | | 0.0996 | mg/Kg | | 02/13/23 08:16 | 02/13/23 14:46 | 50 |
| m-Xylene & p-Xylene | 6.14 | | 0.199 | mg/Kg | | 02/13/23 08:16 | 02/13/23 14:46 | 50 |
| o-Xylene | 8.12 | | 0.0996 | mg/Kg | | 02/13/23 08:16 | 02/13/23 14:46 | 50 |
| Xylenes, Total | 14.3 | | 0.199 | mg/Kg | | 02/13/23 08:16 | 02/13/23 14:46 | 50 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 349 | S1+ | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 13:31 | 2 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 13:31 | 20 |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cal | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 22.7 | | 0.199 | mg/Kg | | | 02/10/23 11:22 | |
| Method: SW846 8015 NM - Diese | el Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | 2180 | | 49.9 | mg/Kg | | | 02/09/23 09:48 | |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | 298 | | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:17 | |
| Diesel Range Organics (Over C10-C28) | 1750 | | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:17 | |
| Oll Range Organics (Over C28-C36) | 128 | | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:17 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 25 | S1- | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 05:17 | |
| o-Terphenyl | 31 | S1- | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 05:17 | 1 |
| Method: EPA 300.0 - Anions, Ion | | | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 1660 | | 25.1 | mg/Kg | | | 02/08/23 17:03 | Ę |
| lient Sample ID: PH01A | | | | | | Lab Sar | nple ID: 890- | |
| ate Collected: 02/06/23 09:30 ate Received: 02/06/23 15:45 | | | | | | | Matri | ix: Solic |
| ample Depth: 4 | | | | | | | | |
| | Organic Comp | ounds (GC |) | | | | | |
| Method: SW846 8021B - Volatile | | <mark>ounds (GC</mark> Qualifier |) RL | Unit | D | Prepared | Analyzed | Dil Fac |
| ample Depth: 4 Method: SW846 8021B - Volatile Analyte Benzene | | | | <mark>Unit</mark> mg/Kg | <u>D</u> | Prepared 02/08/23 11:21 | Analyzed | Dil Fac |
| Method: SW846 8021B - Volatile Analyte | Result | | RL | | <u>D</u> | | | |

Eurofins Carlsbad

02/09/23 13:52

02/09/23 13:52

02/09/23 13:52

m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

0.0797

0.0398

0.0797

mg/Kg

mg/Kg

mg/Kg

02/08/23 11:21

02/08/23 11:21

02/08/23 11:21

<0.0797 U

0.0877

0.0877

20

20

20

Client Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

Matrix: Solid

5

Lab Sample ID: 890-4038-2

Client Sample ID: PH01A

Date Collected: 02/06/23 09:30 Date Received: 02/06/23 15:45

Sample Depth: 4

Client: Ensolum

Project/Site: ADU 641

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
|-----------------------------------|----------------|-------------|----------|-------|---|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 137 | S1+ | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 13:52 | 20 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 13:52 | 20 |
| Method: TAL SOP Total BTEX - 1 | otal BTEX Calo | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.387 | | 0.0797 | mg/Kg | | | 02/10/23 11:22 | 1 |
| Method: SW846 8015 NM - Diese | Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 84.9 | | 49.9 | mg/Kg | | | 02/09/23 09:48 | 1 |
| Method: SW846 8015B NM - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:30 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 84.9 | | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:30 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 106 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 03:30 | 1 |
| o-Terphenyl | 118 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 03:30 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy - Solubl | e | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 5780 | | 50.2 | mg/Kg | | | 02/08/23 17:21 | 10 |
| lient Sample ID: PH01B | | | | | | Lab San | nple ID: 890- | 4038-3 |
| ate Collected: 02/06/23 10:00 | | | | | | | | x: Solid |
| ate Received: 02/06/23 15:45 | | | | | | | | |
| ample Depth: 16 | | | | | | | | |

| Method: SW846 8021B - Volati | le Organic Comp | ounds (GC) | | | | | | |
|----------------------------------|-------------------|-------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | < 0.00199 | U F1 | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:08 | 1 |
| - Method: TAL SOP Total BTEX | - Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/10/23 11:22 | 1 |
| - Method: SW846 8015 NM - Die | sel Range Organ | ics (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 |

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Client Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

Matrix: Solid

Lab Sample ID: 890-4038-3

Client Sample ID: PH01B

Date Collected: 02/06/23 10:00 Date Received: 02/06/23 15:45

Sample Depth: 16

Project/Site: ADU 641

Client: Ensolum

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:52 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:52 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 03:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 93 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 03:52 | 1 |
| o-Terphenyl | 101 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 03:52 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 4800 | | 49.9 | mg/Kg | | | 02/08/23 17:27 | 10 |

Client Sample ID: PH01C

Date Collected: 02/06/23 10:10

Date Received: 02/06/23 15:45 Sample Depth: 19

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |
| 1,4-Difluorobenzene (Surr) | 92 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:28 | 1 |

| Method: TAL SOP Total BTE | (- Total BTEX Calculation | |
|---------------------------|----------------------------|---|
| Analyte | Result Qualifier | R |

| Analyte | Result | Quaimer | RL | Unit | U | Prepared | Analyzed | DirFac |
|------------|----------|---------|---------|-------|---|----------|----------------|--------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/10/23 11:22 | 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 | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:13 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:13 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:13 | 1 |
| o-Terphenyl | 105 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:13 | 1 |

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| | | Clien | t Sample Re | sults | | | | |
|----------------------------------------------------------------------------------------------------------------|------------|--------------|-------------|-------|---|----------------|-------------------------|---------------------|
| Client: Ensolum Project/Site: ADU 641 | | | - | | | | Job ID: 890 SDG: 03C | |
| Client Sample ID: PH01C Date Collected: 02/06/23 10:10 Date Received: 02/06/23 15:45 Sample Depth: 19 | | | | | | Lab Sar | nple ID: 890- Matri | 4038-4 ix: Solid |
| Method: EPA 300.0 - Anions, Ion Ch | romatograr | oby - Solubi | P | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3440 | | 50.5 | mg/Kg | | | 02/08/23 17:48 | 10 |
| Client Sample ID: PH02 | | | | | | Lab Sar | nple ID: 890- | 4038-5 |
| Date Collected: 02/06/23 12:00 Date Received: 02/06/23 15:45 Sample Depth: 0.5 | | | | | | | | ix: Solid |
| Method: SW846 8021B - Volatile Org | | |) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | 0.541 | | 0.0401 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| Toluene | 6.74 | | 0.0401 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| Ethylbenzene | 7.90 | | 0.0401 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| m-Xylene & p-Xylene | 6.52 | | 0.0802 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| o-Xylene | 0.327 | | 0.0401 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| Xylenes, Total | 6.85 | | 0.0802 | mg/Kg | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| Surrogate | %Recovery | | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 209 | S1+ | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| 1,4-Difluorobenzene (Surr) | 82 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 14:12 | 20 |
| Method: TAL SOP Total BTEX - Tota | I BTEX Cal | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 22.0 | | 0.0802 | mg/Kg | | | 02/10/23 11:22 | 1 |
| Method: SW846 8015 NM - Diesel R | ange Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| _Total TPH | 1400 | | 50.0 | mg/Kg | | | 02/09/23 09:48 | 1 |
| Method: SW846 8015B NM - Diesel | Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | 317 | | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:39 | |
| Diesel Range Organics (Over C10-C28) | 966 | | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:39 | |
| Oll Range Organics (Over C28-C36) | 120 | | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 05:39 | |
| Surrogate | %Recovery | | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 05:39 | 1 |
| o-Terphenyl | 19 | S1- | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 05:39 | 1 |
| Method: EPA 300.0 - Anions, Ion Ch | romatograp | ohy - Solubl | e | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 616 | | 5.04 | mg/Kg | | | 02/08/23 17:55 | 1 |
Method: SW846 8021B - Volatile Organic Compounds (GC)

Job ID: 890-4038-1 SDG: 03C1558150

Client Sample ID: PH02A

Date Collected: 02/06/23 12:20 Date Received: 02/06/23 15:45

Sample Depth: 4

Project/Site: ADU 641

Client: Ensolum

Lab Sample ID: 890-4038-6

Matrix: Solid

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| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|----------------|--------------|----------|---------|----------|----------------|----------------|-----------|
| Benzene | <0.00199 | | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| Toluene | <0.00199 | | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| Ethylbenzene | <0.00199 | | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| m-Xylene & p-Xylene | <0.00398 | | 0.00398 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | |
| o-Xylene | <0.000000 | | 0.00199 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| Xylenes, Total | <0.00398 | | 0.00398 | mg/Kg | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| | -0.00000 | 0 | 0.00000 | ing/itg | | 02/00/20 11:21 | 02/03/20 11.43 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 11:49 | 1 |
| Method: TAL SOP Total BTEX - T | Iotal BTEX Cal | culation | | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | · | 02/10/23 11:22 | 1 |
| | | | | 0.0 | | | | |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (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 - Dies | sel Range Orga | anics (DRO) | (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:34 | 1 |
| (GRO)-C6-C10 | | | | 0 0 | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:34 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:34 | 1 |
| o-Terphenyl | 103 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:34 | 1 |
| | | | | | | | | |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | ohy - Solubl | e | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 3130 | | 25.0 | mg/Kg | | | 02/08/23 18:13 | 5 |
| lient Sample ID: PH02B | | | | | | Lab Sar | nple ID: 890- | 4038-7 |
| ate Collected: 02/06/23 12:30 | | | | | | | | ix: Solid |
| ate Received: 02/06/23 15:45 | | | | | | | | |
| ample Depth: 8 | | | | | | | | |
| • • | | | | | | | | |
| Method: SW846 8021B - Volatile | • | | | | | | | |
| Analyte | | Qualifier | RL | Unit | <u>D</u> | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| Toluene | <0.00200 | | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| | | | | | | | | |

| Surrogate 4-Bromofluorobenzene (Surr) | %Recovery 85 | Qualifier | Limits 70 - 130 | | Prepared 02/08/23 11:21 | Analyzed 02/09/23 12:09 | Dil Fac |
|------------------------------------------|-----------------|-----------|--------------------|-------|-------------------------|----------------------------|---------|
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | 02/08/23 11:21 | 02/09/23 12:09 | 1 |
| | | | | 0 0 | | | |

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Client Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

Lab Sample ID: 890-4038-7

Client Sample ID: PH02B

Date Collected: 02/06/23 12:30 Date Received: 02

Sample Depth: 8

I

Client: Ensolum

Project/Site: ADU 641

| 2/06/23 15:45 | | | |
|---------------|--|--|--|
| | | | |
| | | | |

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
|-----------------------------------------|----------------|-------------|----------|-------|---|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | 02/08/23 11:21 | 02/09/23 12:09 | |
| Method: TAL SOP Total BTEX - T | otal BTEX Calo | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | , | 02/10/23 11:22 | |
| Method: SW846 8015 NM - Diese | I Range Organi | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | , | 02/09/23 09:48 | |
| Method: SW846 8015B NM - Dies | el Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:56 | |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:56 | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/07/23 13:19 | 02/09/23 04:56 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 91 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:56 | |
| o-Terphenyl | 100 | | 70 - 130 | | | 02/07/23 13:19 | 02/09/23 04:56 | |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy - Solubl | e | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Chloride | 365 | | 5.00 | mg/Kg | | | 02/08/23 18:19 | |

Matrix: Solid

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Prep Type: Total/NA

Prep Type: Total/NA

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-24604-A-1-D MS Matrix Spike 94 105 880-24604-A-1-E MSD Matrix Spike Duplicate 100 103 890-4038-1 PH01 349 S1+ 98 890-4038-2 PH01A 137 S1+ 90 890-4038-3 PH01B 90 89 890-4038-3 MS PH01B 125 99 890-4038-3 MSD PH01B 99 115 PH01C 90 92 890-4038-4 890-4038-5 PH02 209 S1+ 82 890-4038-6 PH02A 87 91 890-4038-7 PH02B 85 90 LCS 880-45779/1-A 117 99 Lab Control Sample LCS 880-46084/1-A Lab Control Sample 113 105 LCSD 880-45779/2-A Lab Control Sample Dup 118 101 108 108 LCSD 880-46084/2-A Lab Control Sample Dup MB 880-45779/5-A Method Blank 74 91 MB 880-46084/5-A Method Blank 75 92 Surrogate Legend BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70 - 130)(70-130) **Client Sample ID** Lab Sample ID 890-3975-A-1-D MS 191 S1+ Matrix Spike 194 S1+ 890-3975-A-1-E MSD Matrix Spike Duplicate 207 S1+ 204 S1+ 890-4038-1 PH01 25 S1-31 S1-890-4038-2 PH01A 106 118 890-4038-3 PH01B 101 93 890-4038-4 PH01C 94 105 PH02 890-4038-5 20 S1-19.51-890-4038-6 PH02A 94 103 890-4038-7 PH02B 91 100 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

Eurofins Carlsbad

Lab Sample ID: MB 880-45779/5-A

QC Sample Results

Analysis Batch: 45814

Project/Site: ADU 641

Matrix: Solid

Analyte Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Method: 8021B - Volatile Organic Compounds

| compo | ounds (GC) | | | | | | | |
|---------|------------|---------|-------|---|----------------|--------------------------------|----------|---|
| | | | | | Client Sa | mple ID: Metho Prep Type: 1 | Fotal/NA | 4 |
| МВ | МВ | | | | | Prep Batch | 1: 45//9 | 5 |
| Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| 0.00200 | U | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | 6 |
| 0.00200 | U | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | |
| 0.00200 | U | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | 7 |
| 0.00400 | U | 0.00400 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | - |
| 0.00200 | U | 0.00200 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | 8 |
| 0.00400 | U | 0.00400 | mg/Kg | | 02/08/23 11:21 | 02/09/23 10:46 | 1 | |
| МВ | МВ | | | | | | | 9 |

| | MB | MB | | | |
|-----------------------------|-----------|-----------|----------|----------------|----------------|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed |
| 4-Bromofluorobenzene (Surr) | 74 | | 70 - 130 | 02/08/23 11:21 | 02/09/23 10:46 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | 02/08/23 11:21 | 02/09/23 10:46 |

<0.00200 U

<0.00200 U

<0.00200 U <0.00400 U

<0.00200 U

<0.00400 U

Lab Sample ID: LCS 880-45779/1-A Matrix: Solid

Analysis Batch: 45814

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.08684 | | mg/Kg | | 87 | 70 - 130 | |
| Toluene | 0.100 | 0.09179 | | mg/Kg | | 92 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1001 | | mg/Kg | | 100 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2172 | | mg/Kg | | 109 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1087 | | mg/Kg | | 109 | 70 - 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 117 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: LCSD 880-45779/2-A

Matrix: Solid

| Analysis Batch: 45814 | | | | | | | Prep | Batch: | 45779 |
|-----------------------|-------|---------|-----------|-------|---|------|----------|--------|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.09137 | | mg/Kg | | 91 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.09454 | | mg/Kg | | 95 | 70 - 130 | 3 | 35 |
| Ethylbenzene | 0.100 | 0.1055 | | mg/Kg | | 106 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2272 | | mg/Kg | | 114 | 70 - 130 | 5 | 35 |
| o-Xylene | 0.100 | 0.1137 | | mg/Kg | | 114 | 70 - 130 | 4 | 35 |

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

Lab Sample ID: 890-4038-3 MS Matrix: Solid

Analysis Potoby 45944

| Analysis Batch: 45814 | | | | | | | | | Prep | Batch: 45779 |
|-----------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.00199 | U F1 | 0.100 | 0.06882 | F1 | mg/Kg | | 69 | 70 - 130 | |
| Toluene | <0.00199 | U | 0.100 | 0.08001 | | mg/Kg | | 80 | 70 - 130 | |

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Client Sample ID: PH01B

Prep Type: Total/NA

Job ID: 890-4038-1 SDG: 03C1558150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

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

| Lab Sample ID: 890-4038-3 I Matrix: Solid | MS | | | | | | | | (| Client Sample Prep Typ | | |
|----------------------------------------------|-----------|------|-----------|----------|---------|-----------|----------|-----|----------------|---------------------------|-------|---------|
| Analysis Batch: 45814 | | | | | | | | | | Prep B | atch: | 45779 |
| | Sample | Sam | ple | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qua | lifier | Added | Result | Qualifier | Unit | | D %Rec | Limits | | |
| Ethylbenzene | <0.00199 | | | 0.100 | 0.09036 | | mg/Kg | | | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00398 | | | 0.201 | 0.1983 | | mg/Kg | | 99 | 70 - 130 | | |
| o-Xylene | < 0.00199 | | | 0.100 | 0.09896 | | mg/Kg | | 99 | 70 - 130 | | |
| 5-Aylene | \$0.00133 | 0 | | 0.100 | 0.03030 | | iiig/itg | | 55 | 70 - 130 | | |
| | MS | MS | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 125 | | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 99 | | | 70 - 130 | | | | | | | | |
| Lab Sample ID: 890-4038-3 I | MSD | | | | | | | | C | Client Sample | ID: F | PH01E |
| Matrix: Solid | | | | | | | | | | Prep Typ | e: To | tal/N/ |
| Analysis Batch: 45814 | | | | | | | | | | Prep B | | |
| - | Sample | Sam | ple | Spike | MSD | MSD | | | | %Rec | | RP |
| Analyte | Result | Qua | lifier | Added | Result | Qualifier | Unit | | D %Rec | Limits | RPD | Limi |
| Benzene | < 0.00199 | | | 0.0990 | 0.07887 | | mg/Kg | | 80 | 70 - 130 | 14 | 3 |
| Toluene | <0.00199 | U | | 0.0990 | 0.08065 | | mg/Kg | | 81 | 70 - 130 | 1 | 35 |
| Ethylbenzene | < 0.00199 | | | 0.0990 | 0.08785 | | mg/Kg | | 89 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | <0.00398 | | | 0.198 | 0.1859 | | mg/Kg | | 94 | 70 - 130 | 7 | 35 |
| o-Xylene | < 0.00199 | | | 0.0990 | 0.09214 | | mg/Kg | | 93 | 70 - 180 | 7 | 35 |
| 5-Aylene | \$0.00133 | 0 | | 0.0330 | 0.03214 | | iiig/itg | | 30 | 70 - 130 | 1 | 0. |
| | MSD | MSE | 0 | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 115 | | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 99 | | | 70 - 130 | | | | | | | | |
| Lab Sample ID: MB 880-460 | 84/5-A | | | | | | | | Client S | ample ID: Me | thod | Blank |
| Matrix: Solid | | | | | | | | | | Prep Typ | | |
| Analysis Batch: 46087 | | | | | | | | | | Prep B | | |
| Analysis Baten. 40007 | | мв | мв | | | | | | | Перв | | -000- |
| Analyte | R | | Qualifier | RL | | Unit | | D | Prepared | Analyzed | | Dil Fac |
| Benzene | <0.0 | 0200 | U | 0.00200 | | mg/K | 9 | (|)2/13/23 08:16 | 02/13/23 11:4 | 41 – | |
| Toluene | <0.0 | 0200 | U | 0.00200 | | mg/K | - | (|)2/13/23 08:16 | 02/13/23 11:4 | 11 | |
| Ethylbenzene | | 0200 | | 0.00200 | | mg/K | - | (|)2/13/23 08:16 | 02/13/23 11:4 | 11 | 1 |
| m-Xylene & p-Xylene | | 0400 | | 0.00400 | | mg/K | | |)2/13/23 08:16 | | | 1 |
| o-Xylene | | 0200 | | 0.00200 | | mg/K | | |)2/13/23 08:16 | | | 1 |
| Xylenes, Total | | 0400 | | 0.00400 | | mg/K | - | |)2/13/23 08:16 | | | 1 |
| Aylenes, Total | -0.0 | 0400 | 0 | 0.00400 | | iiig/itg | 9 | , | 2/13/23 00.10 | 02/10/20 11. | Ŧ I | 1 |
| | | MB | MB | | | | | | | | | |
| Surrogate | %Reco | very | Qualifier | Limits | | | | | Prepared | Analyzed | | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | 75 | | 70 - 130 | | | | (| 02/13/23 08:16 | 6 02/13/23 11: | 41 | 1 |
| 1,4-Difluorobenzene (Surr) | | 92 | | 70 - 130 | | | | (| 02/13/23 08:16 | 6 02/13/23 11: | 41 | 1 |
| | | | | | | | | | | | | |
| Lab Sample ID: LCS 880-460 | J84/1-A | | | | | | | Cli | ent Sample | ID: Lab Con | | |
| Matrix: Solid | | | | | | | | | | Ргер Тур | | |
| Analysis Batch: 46087 | | | | | | | | | | Prep B | atch: | 46084 |
| | | | | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | | | | Added | Result | Qualifier | Unit | | D %Rec | Limits | | |
| Benzene | | | | 0.100 | 0.1035 | | mg/Kg | | 104 | 70 - 130 | | |
| Toluene | | | | 0.100 | 0.1023 | | mg/Kg | | 102 | 70 - 130 | | |
| | | | | | | | | | | | | |

D: 890-4038-1

Ethylbenzene

m-Xylene & p-Xylene

0.1061

0.2231

mg/Kg

mg/Kg

106

112

70 - 130

70 - 130

0.100

0.200

Lab Sample ID: LCS 880-46084/1-A

Client: Ensolum

Matrix: Solid

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

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

| Analysis Batch: 46087 | | | | | | | | | Prep | Batch: 4 | 46084 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------|----------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| | | | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| o-Xylene | | | 0.100 | 0.1105 | | mg/Kg | | 110 | 70 - 130 | | |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: LCSD 880-4 | 16084/2-A | | | | | Clie | nt Sam | nole ID: I | Lab Contro | | e Dui |
| Matrix: Solid | | | | | | | | | | Type: Tot | |
| Analysis Batch: 46087 | | | | | | | | | | Batch: 4 | |
| , | | | Spike | LCSD | LCSD | | | | %Rec | | RPI |
| Analyte | | | Added | | Qualifier | Unit | D | %Rec | Limits | RPD | Limi |
| Benzene | | | 0.100 | 0.1020 | | mg/Kg | | 102 | 70 - 130 | | 3 |
| Toluene | | | 0.100 | 0.09714 | | mg/Kg | | 97 | 70 - 130 | 5 | 3 |
| | | | 0.100 | 0.1008 | | | | 101 | 70 - 130 70 - 130 | 5 | 35 |
| Ethylbenzene | | | | | | mg/Kg | | | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2130 | | mg/Kg | | 107 | | 5 | 35 |
| o-Xylene | | | 0.100 | 0.1054 | | mg/Kg | | 105 | 70 - 130 | 5 | 35 |
| | LCSD | LCSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | | | | | | | | |
| | (00 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: 880-24604-/ | 108 A-1-D MS | | 70 - 130 | | | | | Client | Sample ID Prep 1 | : Matrix : Type: Tot | |
| Lab Sample ID: 880-24604-/ Matrix: Solid | A-1-D MS | | | | | | | Client | Prep 1 Prep | | tal/N/ |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 | A-1-D MS Sample | Sample | Spike | MS | MS Qualifier | Unit | P | | Prep 1 Prep %Rec | Type: Tot | tal/N/ |
| 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte | A-1-D MS Sample | Qualifier | Spike Added | Result | MS Qualifier | Unit | <u>D</u> | %Rec | Prep 1 Prep %Rec Limits | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene | A-1-D MS Sample Result < | Qualifier | Spike Added 0.0996 | Result 0.08015 | | mg/Kg | <u>D</u> | %Rec 80 | Prep 1 Prep %Rec Limits 70 - 130 | Type: Tot | tal/N/ |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene | A-1-D MS Sample Result <0.00198 <0.00198 | Qualifier U U | Spike Added 0.0996 0.0996 | Result 0.08015 0.07400 | | mg/Kg mg/Kg | <u>D</u> | %Rec 80 74 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 | Type: Tot | tal/N/ |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 | Qualifier U U U | Spike Added 0.0996 0.0996 0.0996 | Result 0.08015 0.07400 0.07278 | | mg/Kg mg/Kg mg/Kg | D_ | %Rec 80 74 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 | Qualifier U U U U U | Spike Added 0.0996 0.0996 0.0996 0.199 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | <u> </u> | %Rec 80 74 73 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 | Qualifier U U U U U | Spike Added 0.0996 0.0996 0.0996 | Result 0.08015 0.07400 0.07278 | | mg/Kg mg/Kg mg/Kg | <u> </u> | %Rec 80 74 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 | Qualifier U U U U U U | Spike Added 0.0996 0.0996 0.0996 0.199 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | <u> </u> | %Rec 80 74 73 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.0996 0.199 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | <u> </u> | %Rec 80 74 73 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene | A-1-D MS Sample Result <0.00198 <0.00198 <0.00396 <0.00198 MS | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | <u> </u> | %Rec 80 74 73 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.199 0.0996 Limits | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | <u>D</u> | %Rec 80 74 73 73 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot | tal/NA |
| Lab Sample ID: 880-24604-7 Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot Batch: 4 | tal/N/ 46084 |
| Lab Sample ID: 880-24604-7 Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot Batch: 4 | dicate |
| Lab Sample ID: 880-24604-7 Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-7 | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 | Qualifier U U U U U U MS | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 | Result 0.08015 0.07400 0.07278 0.1451 | | mg/Kg mg/Kg mg/Kg mg/Kg | | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Type: Tot Batch: 4 | licate |
| Lab Sample ID: 880-24604-7 Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-7 Matrix: Solid | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 | Qualifier U U U U U MS Qualifier | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | | mg/Kg mg/Kg mg/Kg mg/Kg | | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | Dike Dup | licate tal/NA 46084 |
| Lab Sample ID: 880-24604-7 Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-7 Matrix: Solid | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 A-1-E MSD Sample | Qualifier U U U U U MS Qualifier | Spike Added 0.0996 0.0996 0.0996 0.199 0.0996 D.199 0.0996 Limits 70 - 130 70 - 130 | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | Qualifier | mg/Kg mg/Kg mg/Kg mg/Kg | | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1 Prep 1 | Dike Dup | ilicate tal/NA tal/NA tal/NA 46084 RPI |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 | A-1-D MS Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 MS %Recovery 94 105 A-1-E MSD Sample | Qualifier U U U U U MS Qualifier Sample Qualifier | Spike Added 0.0996 0.0996 0.199 0.0996 0.199 0.0996 D.199 0.0996 D.199 0.0996 Limits 70 - 130 70 - 130 Spike | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | Qualifier | mg/Kg mg/Kg mg/Kg mg/Kg | ient Sa | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1 Prep 2 %Rec | Dike Dup Fype: Tot Batch: 4 | licate tal/NA 46084 tal/NA 46084 RPI Limi |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte | A-1-D MS Sample Result <0.00198 <0.00198 <0.00396 <0.00396 <0.00198 MS %Recovery 94 105 A-1-E MSD Sample Result | Qualifier U U U U U MS Qualifier U | Spike Added 0.0996 0.0996 0.199 0.0996 0.199 0.0996 Limits 70 - 130 70 - 130 70 - 130 Spike Added | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | Qualifier | mg/Kg mg/Kg mg/Kg mg/Kg Cl | ient Sa | %Rec 80 74 73 73 72 | Prep 1 Prep %Rec Limits 70 - 130 70 - 190 70 - 130 70 - 190 70 - 190 | Dike Dup Fype: Tot Batch: 4 Second | licate tal/NA 46084 46084 kal/NA 46084 RPC Limi 33 |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene | A-1-D MS Sample Result <0.00198 | Qualifier U U U U U U MS Qualifier U U U | Spike Added 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | Qualifier | mg/Kg mg/Kg mg/Kg mg/Kg Cl Unit mg/Kg | ient Sa | %Rec 80 74 73 73 72 | Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1 Prep 2 %Rec Limits 70 - 130 | Dike Dup Fype: Tot Dike Dup Fype: Tot Batch: 4 RPD 14 | ilicate tal/NA 46084 46084 tal/NA 46084 RPC Limi 33 35 |
| Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-24604-/ Matrix: Solid Analysis Batch: 46087 Analyte Benzene Toluene | A-1-D MS Sample Result <0.00198 | Qualifier U U U U U U U MS Qualifier U U U U | Spike Added 0.0996 0.0996 0.199 0.0996 Limits 70 - 130 70 - 130 Spike Added 0.100 | Result 0.08015 0.07400 0.07278 0.1451 0.07151 | Qualifier | mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg | ient Sa | %Rec 80 74 73 73 72 | Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 | Dike Dup Fype: Tot Dike Dup Fype: Tot Batch: 4 | tal/NA 46084 |

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QC Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

Client: Ensolum Project/Site: ADU 641

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

| | EMSD | | | | | | Cile | 111 36 | ampie iD. | Matrix Spike Prep Type | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|------------------------------------|-----------------|-------------------|---------------|------|--------|-------------|----------------------------------------------------|----------------------------|----------------------------------|
| Analysis Batch: 46087 | | | | | | | | | | Prep Ba | tch: | 4 <mark>60</mark> 84 |
| | MSD MS | SD | | | | | | | | | | |
| Surrogate | %Recovery Qu | alifier | Limits | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | | | | | | | | | |
| ethod: 8015B NM - Diesel | Range Orga | anics (DF | RO) (GC) | | | | | | | | | |
| _ab Sample ID: MB 880-45704/ | 1-A | | | | | | | | Client Sa | mple ID: Met | thod | Blanl |
| Matrix: Solid | | | | | | | | | | Prep Type | e: To | tal/N/ |
| Analysis Batch: 45735 | | | | | | | | | | Prep Ba | tch: | 45704 |
| | M | B MB | | | | | | | | | | |
| nalyte | Resu | It Qualifier | RL | | Unit | | D | Р | repared | Analyzed | | Dil Fa |
| Gasoline Range Organics | | 0 U | 50.0 | | mg/K | 3 | _ | 02/0 | 7/23 13:19 | 02/08/23 20:3 | 7 | |
| GRO)-C6-C10 | | | | | 0 | - | | | | | | |
| Diesel Range Organics (Over | <50. | 0 U | 50.0 | | mg/K | 3 | | 02/0 | 7/23 13:19 | 02/08/23 20:3 | 7 | |
| C10-C28) | | | | | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50. | 0 U | 50.0 | | mg/K | 9 | | 02/0 | 7/23 13:19 | 02/08/23 20:3 | 7 | |
| | М | B MB | | | | | | | | | | |
| urrogate | %Recover | y Qualifier | Limits | | | | | P | repared | Analyzed | | Dil Fa |
| -Chlorooctane | 11 | 6 | 70 - 130 | | | | | 02/0 | 7/23 13:19 | 02/08/23 20:3 | 87 | |
| -Terphenyl | 13 | 2 S1+ | 70 - 130 | | | | | 02/0 | 7/23 13:19 | 02/08/23 20:3 | 87 | |
| nalista | | | Spike | | LCS | 11 | | | % Doo | %Rec | | |
| nalyte | | | Added | | Qualifier | Unit | | | <u>%Rec</u> | Limits | | |
| Basoline Range Organics GRO)-C6-C10 | | | 1000 | 860.6 | | mg/Kg | | | 86 | 70 - 130 | | |
| Diesel Range Organics (Over | | | 1000 | 909.7 | | mg/Kg | | | 91 | 70 - 130 | | |
| :10-C28) | | | | | | | | | | | | |
| urrogate | LCS LC Recovery Qu% | :S Ialifier | Limits | | | | | | | | | |
| | 104 | | 70 100 | | | | | | | | | |
| -Chlorooctane | | | 70 - 130 | | | | | | | | | |
| | | | 70 - 130 70 - 130 | | | | | | | | | |
| | 114 | | 70 - 130 70 - 130 | | | | | | | | | |
| -Terphenyl .ab Sample ID: LCSD 880-4570 | 114 | | | | | СІ | ient | Sam | iple ID: La | ab Control Sa | | |
| - <i>Terphenyl</i> Lab Sample ID: LCSD 880-4570 Matrix: Solid | 114 | | | | | CI | ient | Sam | iple ID: La | Prep Type | e: To | tal/N |
| - <i>Terphenyl</i> Lab Sample ID: LCSD 880-4570 Matrix: Solid | 114 | | 70 - 130 | LCSD | LCSD | CI | ient | Sam | iple ID: Li | Prep Type Prep Ba | e: To | tal/N. 4570 |
| - <i>Terphenyl</i> .ab Sample ID: LCSD 880-4570 /latrix: Solid Analysis Batch: 45735 | 114 | | | | LCSD Qualifier | CI | ient | Sam | | Prep Type Prep Ba %Rec | e: To | tal/N 4570 RP |
| - <i>Terphenyl</i> .ab Sample ID: LCSD 880-4570 Matrix: Solid Analysis Batch: 45735 Malyte | 114 | | 70 - 130 Spike Added | Result | | Unit | ient | | %Rec | Prep Type Prep Ba %Rec Limits | e: To itch: RPD | tal/N 4570 RP Lim |
| - <i>Terphenyl</i> Lab Sample ID: LCSD 880-4570 Matrix: Solid Analysis Batch: 45735 Analyte Gasoline Range Organics | 114 | | 70 - 130 Spike | | | | ient | | | Prep Type Prep Ba %Rec | e: To itch: | tal/N 4570 RP Lim |
| - <i>Terphenyl</i> Lab Sample ID: LCSD 880-4570 Matrix: Solid Analysis Batch: 45735 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over | 114 | | 70 - 130 Spike Added | Result | | Unit | ient | | %Rec | Prep Type Prep Ba %Rec Limits | e: To itch: RPD | tal/N 4570 RP Lim 2 |
| I-Chlorooctane D-Terphenyl Lab Sample ID: LCSD 880-4570 Matrix: Solid Analysis Batch: 45735 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 114 | | 70 - 130 Spike Added 1000 | Result 917.2 | | Unit mg/Kg | ient | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: To atch: RPD 6 | tal/N/ |
| Analysis Batch: 45735 Analysis Batch: 45735 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 114 04/3-A | SD valifier | 70 - 130 Spike Added 1000 | Result 917.2 | | Unit mg/Kg | ient | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: To atch: RPD 6 | tal/N/ 4570 RP Lim 2 |
| D- <i>Terphenyl</i> Lab Sample ID: LCSD 880-4570 Matrix: Solid Analysis Batch: 45735 Analyte GRO)-C6-C10 Diesel Range Organics (Over | 114 04/3-A | | 70 - 130 Spike Added 1000 | Result 917.2 | | Unit mg/Kg | ient | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: To atch: RPD 6 | tal/N/ 4570 RPI Lim |

Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4038-1 SDG: 03C1558150

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

| Lab Sample ID: 890-3975-A-1 Matrix: Solid | | | | | | | | Client | Sample ID | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|-----------------------|-------------------------|-----------|------------------------------|----------|-------------------|------------------------------------------|-----------------------------------------|--------|
| | | | | | | | | | | ype: To | |
| Analysis Batch: 45735 | Sampla | Sample | Spike | MS | MS | | | | %Rec | Batch: | 4570 |
| Analyte | | Qualifier | Added | Result | | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics | | | 995 | 1634 | | mg/Kg | | 164 | 70 - 130 | | |
| (GRO)-C6-C10 | \$43.0 | 011 | 335 | 1004 | | iiig/itg | | 104 | 70 - 150 | | |
| 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 | | | | | | | | |
| _ab Sample ID: 890-3975-A-1 | I-E MSD | | | | | C C | Client S | ample ID |): Matrix Sp | oike Dui | olicat |
| Matrix: Solid | | | | | | | | | | · ype: To | |
| Analysis Batch: 45735 | | | | | | | | | | Batch: | |
| , | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RP |
| Analyte | - | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Lim |
| Gasoline Range Organics | <49.8 | U F1 | 999 | 1813 | F1 | mg/Kg | | 181 | 70 - 130 | 10 | 2 |
| (GRO)-C6-C10 | | | | | | 0 0 | | | | | |
| Diesel Range Organics (Over C10-C28) | <49.8 | U F1 | 999 | 1990 | F1 | mg/Kg | | 199 | 70 - 130 | 6 | : |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 207 | S1+ | 70 - 130 | - | | | | | | | |
| o-Terphenyl | 204 | S1+ | 70 - 130 | | | | | | | | |
| ethod: 300.0 - Anions, I | on Chromat | ography | | | | | | | | | |
| Lab Sample ID: MB 880-4580 |)8/1-A | | | | | | | Client S | Sample ID: | Method | Blan |
| Matrix: Solid | | | | | | | | | | Type: S | |
| Analysis Batch: 45829 | | | | | | | | | | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | | MB MB | | | | | | | | | |
| Analyte | R | esult Qualifie | r | RL | Unit | | D F | Prepared | Analyz | ed | Dil Fa |
| Chloride | | 5.00 U | | 5.00 | mg/ł | ٢g | | | 02/08/23 | 16:44 | |
| _ab Sample ID: LCS 880-458 | 08/2-A | | | | | | Clien | t Sample | D: Lab Co | ontrol S | amp |
| | | | | | | | | | | Type: S | |
| | | | | | | | | | | | |
| Matrix: Solid | | | | | | | | | | | |
| Matrix: Solid | | | Spike | LCS | LCS | | | | %Rec | | |
| Matrix: Solid Analysis Batch: 45829 | | | Spike Added | | | Unit | D | %Rec | | | |
| Matrix: Solid Analysis Batch: 45829 ^{Analyte} | | | Spike Added 250 | | Qualifier | _ <mark>Unit</mark> mg/Kg | <u>D</u> | %Rec 96 | %Rec Limits 90 - 110 | | |
| Matrix: Solid Analysis Batch: 45829 Analyte Chloride | | | Added | Result | Qualifier | mg/Kg | | 96 | Limits 90 - 110 | | |
| Matrix: Solid Analysis Batch: 45829 Analyte Chloride Lab Sample ID: LCSD 880-45 | 5808/3-A | | Added | Result | Qualifier | mg/Kg | | 96 | Limits 90 - 110 Lab Contro | | |
| Matrix: Solid Analysis Batch: 45829 Analyte Chloride Lab Sample ID: LCSD 880-45 Matrix: Solid | 5808/3-A | | Added | Result | Qualifier | mg/Kg | | 96 | Limits 90 - 110 Lab Contro | I Samp Type: S | |
| Matrix: Solid Analysis Batch: 45829 Analyte Chloride Lab Sample ID: LCSD 880-45 Matrix: Solid | 5808/3-A | | Added 250 | Result | Qualifier | mg/Kg | | 96 | Limits 90 - 110 Lab Contro Prep | | olubl |
| Matrix: Solid Analysis Batch: 45829 Analyte Chloride Lab Sample ID: LCSD 880-45 Matrix: Solid Analysis Batch: 45829 Analyte | 5808/3-A | | Added | Result 239.1 LCSE | Qualifier | mg/Kg | | 96 | Limits 90 - 110 Lab Contro | | |

Client: Ensolum

Project/Site: ADU 641

Job ID: 890-4038-1 SDG: 03C1558150

Method: 300.0 - Anions, Ion Chromatography (Continued)

| Lab Sample ID: 890-4038-1 MS | | | | | | | | | Client Sar | nple ID: | : PH01 |
|-------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-------------------|----------|--------|
| Matrix: Solid | | | | | | | | | Prep | Type: S | oluble |
| Analysis Batch: 45829 | | | | | | | | | | | |
| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Chloride | 1660 | | 1260 | 2901 | | mg/Kg | | 99 | 90 - 110 | | |
| Lab Sample ID: 890-4038-1 MSD | | | | | | | | | Client Sar | nple ID: | : PH01 |
| Matrix: Solid | | | | | | | | | Prep | Type: S | oluble |
| Analysis Batch: 45829 | | | | | | | | | | | |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 1660 | | 1260 | 2917 | | mg/Kg | | 100 | 90 - 110 | 1 | 20 |

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QC Association Summary

Client: Ensolum Project/Site: ADU 641

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Job ID: 890-4038-1 SDG: 03C1558150

GC VOA

Prep Batch: 45779

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | 5035 | |
| 890-4038-2 | PH01A | Total/NA | Solid | 5035 | |
| 890-4038-3 | PH01B | Total/NA | Solid | 5035 | |
| 890-4038-4 | PH01C | Total/NA | Solid | 5035 | |
| 890-4038-5 | PH02 | Total/NA | Solid | 5035 | |
| 890-4038-6 | PH02A | Total/NA | Solid | 5035 | |
| 890-4038-7 | PH02B | Total/NA | Solid | 5035 | |
| MB 880-45779/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-45779/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-45779/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4038-3 MS | PH01B | Total/NA | Solid | 5035 | |
| 890-4038-3 MSD | PH01B | Total/NA | Solid | 5035 | |

Analysis Batch: 45814

| 890-4038-7 | PH02B | Iotal/NA | Solid | 5035 | | |
|-----------------------|------------------------|-----------|--------|--------|------------|----|
| MB 880-45779/5-A | Method Blank | Total/NA | Solid | 5035 | | 8 |
| LCS 880-45779/1-A | Lab Control Sample | Total/NA | Solid | 5035 | | |
| LCSD 880-45779/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | | 9 |
| 890-4038-3 MS | PH01B | Total/NA | Solid | 5035 | | |
| 890-4038-3 MSD | PH01B | Total/NA | Solid | 5035 | | 10 |
| Analysis Batch: 45814 | | | | | | 44 |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch | |
| 890-4038-1 | PH01 | Total/NA | Solid | 8021B | 45779 | 10 |
| 890-4038-2 | PH01A | Total/NA | Solid | 8021B | 45779 | |
| 890-4038-3 | PH01B | Total/NA | Solid | 8021B | 45779 | 40 |
| 890-4038-4 | PH01C | Total/NA | Solid | 8021B | 45779 | 13 |
| 890-4038-5 | PH02 | Total/NA | Solid | 8021B | 45779 | |
| 890-4038-6 | PH02A | Total/NA | Solid | 8021B | 45779 | 14 |
| 890-4038-7 | PH02B | Total/NA | Solid | 8021B | 45779 | |
| MB 880-45779/5-A | Method Blank | Total/NA | Solid | 8021B | 45779 | |
| LCS 880-45779/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 45779 | |
| LCSD 880-45779/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 45779 | |
| 890-4038-3 MS | PH01B | Total/NA | Solid | 8021B | 45779 | |
| 890-4038-3 MSD | PH01B | Total/NA | Solid | 8021B | 45779 | |
| | | | | | | |

Analysis Batch: 45985

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | Total BTEX | |
| 890-4038-2 | PH01A | Total/NA | Solid | Total BTEX | |
| 890-4038-3 | PH01B | Total/NA | Solid | Total BTEX | |
| 890-4038-4 | PH01C | Total/NA | Solid | Total BTEX | |
| 890-4038-5 | PH02 | Total/NA | Solid | Total BTEX | |
| 890-4038-6 | PH02A | Total/NA | Solid | Total BTEX | |
| 890-4038-7 | PH02B | Total/NA | Solid | Total BTEX | |

Prep Batch: 46084

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | 5035 | |
| MB 880-46084/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46084/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46084/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 380-24604-A-1-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24604-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | 8021B | 46084 |
| MB 880-46084/5-A | Method Blank | Total/NA | Solid | 8021B | 46084 |

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Client: Ensolum Project/Site: ADU 641

GC VOA (Continued)

Analysis Batch: 46087 (Continued)

| Lab Sample ID LCS 880-46084/1-A | Client Sample ID Lab Control Sample | Prep Type Total/NA | Matrix Solid | Method 8021B | Prep Batch 46084 |
|------------------------------------|----------------------------------------|--------------------|-----------------|-----------------|------------------|
| LCSD 880-46084/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46084 |
| 880-24604-A-1-D MS | Matrix Spike | Total/NA | Solid | 8021B | 46084 |
| 880-24604-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46084 |

GC Semi VOA

Prep Batch: 45704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | 8015NM Prep | |
| 890-4038-2 | PH01A | Total/NA | Solid | 8015NM Prep | |
| 890-4038-3 | PH01B | Total/NA | Solid | 8015NM Prep | |
| 890-4038-4 | PH01C | Total/NA | Solid | 8015NM Prep | |
| 890-4038-5 | PH02 | Total/NA | Solid | 8015NM Prep | |
| 890-4038-6 | PH02A | Total/NA | Solid | 8015NM Prep | |
| 890-4038-7 | PH02B | 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 |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4038-1 | PH01 | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-2 | PH01A | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-3 | PH01B | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-4 | PH01C | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-5 | PH02 | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-6 | PH02A | Total/NA | Solid | 8015B NM | 45704 |
| 890-4038-7 | PH02B | 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 |
| 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: 45876

| Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PH01 | Total/NA | Solid | 8015 NM | |
| PH01A | Total/NA | Solid | 8015 NM | |
| PH01B | Total/NA | Solid | 8015 NM | |
| PH01C | Total/NA | Solid | 8015 NM | |
| PH02 | Total/NA | Solid | 8015 NM | |
| PH02A | Total/NA | Solid | 8015 NM | |
| PH02B | Total/NA | Solid | 8015 NM | |
| | PH01A PH01B PH01C PH02 PH02A | PH01ATotal/NAPH01BTotal/NAPH01CTotal/NAPH02Total/NAPH02ATotal/NA | PH01ATotal/NASolidPH01BTotal/NASolidPH01CTotal/NASolidPH02Total/NASolidPH02ATotal/NASolid | PH01ATotal/NASolid8015 NMPH01BTotal/NASolid8015 NMPH01CTotal/NASolid8015 NMPH02Total/NASolid8015 NMPH02ATotal/NASolid8015 NM |

HPLC/IC

Leach Batch: 45808

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-4038-1 | PH01 | Soluble | Solid | DI Leach | |

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Job ID: 890-4038-1

SDG: 03C1558150

QC Association Summary

Client: Ensolum Project/Site: ADU 641

HPLC/IC (Continued)

Leach Batch: 45808 (Continued)

| Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PH01A | Soluble | Solid | DI Leach | |
| PH01B | Soluble | Solid | DI Leach | |
| PH01C | Soluble | Solid | DI Leach | |
| PH02 | Soluble | Solid | DI Leach | |
| PH02A | Soluble | Solid | DI Leach | |
| PH02B | Soluble | Solid | DI Leach | |
| Method Blank | Soluble | Solid | DI Leach | |
| Lab Control Sample | Soluble | Solid | DI Leach | |
| Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| PH01 | Soluble | Solid | DI Leach | |
| PH01 | Soluble | Solid | DI Leach | |
| | PH01A PH01B PH01C PH02 PH02A PH02B Method Blank Lab Control Sample Lab Control Sample Dup PH01 | PH01A Soluble PH01B Soluble PH01C Soluble PH02 Soluble PH02A Soluble PH02B Soluble Method Blank Soluble Lab Control Sample Soluble PH01 Soluble | PH01A Soluble Solid PH01B Soluble Solid PH01C Soluble Solid PH02 Soluble Solid PH02A Soluble Solid PH02B Soluble Solid Method Blank Soluble Solid Lab Control Sample Soluble Solid PH01 Soluble Solid | PH01ASolubleSolidDI LeachPH01BSolubleSolidDI LeachPH01CSolubleSolidDI LeachPH02SolubleSolidDI LeachPH02ASolubleSolidDI LeachPH02BSolubleSolidDI LeachMethod BlankSolubleSolidDI LeachLab Control SampleSolubleSolubleSolidDI LeachPH01SolubleSolubleSolidDI LeachDI LabDI LeachDI LeachDI LeachDI LeachDI LabSolubleSolubleSolidDI LeachDI LabDI LeachDI LeachDI LeachDI LeachDI LabDI LeachDI LeachDI Leach |

Analysis Batch: 45829

| ach Batch: 45808 (C | ontinued) | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
| 390-4038-2 | PH01A | Soluble | Solid | DI Leach | |
| 390-4038-3 | PH01B | Soluble | Solid | DI Leach | |
| 390-4038-4 | PH01C | Soluble | Solid | DI Leach | |
| 390-4038-5 | PH02 | Soluble | Solid | DI Leach | |
| 390-4038-6 | PH02A | Soluble | Solid | DI Leach | |
| 390-4038-7 | PH02B | Soluble | Solid | DI Leach | |
| MB 880-45808/1-A | Method Blank | Soluble | Solid | DI Leach | |
| _CS 880-45808/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| _CSD 880-45808/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 390-4038-1 MS | PH01 | Soluble | Solid | DI Leach | |
| 390-4038-1 MSD | PH01 | Soluble | Solid | DI Leach | |
| nalvsis Batch: 45829 | | | | | |
| | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batcl |
| _ab Sample ID | | Prep Type Soluble | Matrix Solid | <u>Method</u> 300.0 | |
| Lab Sample ID 390-4038-1 | Client Sample ID | | | | 45808 |
| nalysis Batch: 45829 Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 | Client Sample ID PH01 | Soluble | Solid | 300.0 | 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 | Client Sample ID PH01 PH01A | Soluble | Solid Solid | 300.0 300.0 | 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 | Client Sample ID PH01 PH01A PH01B | Soluble Soluble Soluble | Solid Solid Solid | 300.0 300.0 300.0 | 45808 45808 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-4 | Client Sample ID PH01 PH01A PH01B PH01C | Soluble Soluble Soluble Soluble | Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 | Prep Batch 45808 45808 45808 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-3 390-4038-5 390-4038-6 | Client Sample ID PH01 PH01A PH01B PH01C PH02 | Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 | 45808 45808 45808 45808 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-3 390-4038-5 390-4038-6 390-4038-7 | Client Sample ID PH01 PH01A PH01B PH01C PH02 PH02A | Soluble Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 300.0 | 45808 45808 45808 45808 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-4 390-4038-5 390-4038-6 390-4038-7 VIB 880-45808/1-A | Client Sample ID PH01 PH01A PH01B PH01C PH02 PH02A PH02B | Soluble Soluble Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 300.0 | 45808 45808 45808 45808 45808 45808 45808 45808 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-4 390-4038-5 | Client Sample ID PH01 PH01A PH01B PH01C PH02 PH02A PH02B Method Blank | Soluble Soluble Soluble Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 | 45806 45806 45806 45806 45806 45806 |
| Lab Sample ID 390-4038-1 390-4038-2 390-4038-3 390-4038-4 390-4038-5 390-4038-5 390-4038-6 390-4038-7 MB 880-45808/1-A _CS 880-45808/2-A | Client Sample ID PH01 PH01A PH01B PH01C PH02 PH02A PH02B Method Blank Lab Control Sample | Soluble Soluble Soluble Soluble Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 | 45808 45808 45808 45808 45808 45808 45808 45808 45808 |

Job ID: 890-4038-1

SDG: 03C1558150

5 6

9

Job ID: 890-4038-1 SDG: 03C1558150

Lab Sample ID: 890-4038-1 Matrix: Solid

Date Collected: 02/06/23 09:10 Date Received: 02/06/23 15:45

Client Sample ID: PH01

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 45814 | 02/09/23 13:31 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46084 | 02/13/23 08:16 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 50 | 5 mL | 5 mL | 46087 | 02/13/23 14:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 05:17 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 45829 | 02/08/23 17:03 | СН | EET MID |

Client Sample ID: PH01A

Date Collected: 02/06/23 09:30 Date Received: 02/06/23 15:45

Lab Sample ID: 890-4038-2

Lab Sample ID: 890-4038-3

Matrix: Solid

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 45814 | 02/09/23 13:52 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 03:30 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 45829 | 02/08/23 17:21 | СН | EET MID |

Client Sample ID: PH01B Date Collected: 02/06/23 10:00 Date Received: 02/06/23 15:45

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45814 | 02/09/23 11:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 03:52 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 45829 | 02/08/23 17:27 | СН | EET MID |

5

9

Job ID: 890-4038-1 SDG: 03C1558150

Lab Sample ID: 890-4038-4 Matrix: Solid

Lab Sample ID: 890-4038-5

Lab Sample ID: 890-4038-6

Lab Sample ID: 890-4038-7

Matrix: Solid

Matrix: Solid

Date Collected: 02/06/23 10:10 Date Received: 02/06/23 15:45

Client Sample ID: PH01C

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45814 | 02/09/23 11:28 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 04:13 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 45829 | 02/08/23 17:48 | СН | EET MID |

Client Sample ID: PH02

Date Collected: 02/06/23 12:00

Date Received: 02/06/23 15:45

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 20 | 5 mL | 5 mL | 45814 | 02/09/23 14:12 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 05:39 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45829 | 02/08/23 17:55 | СН | EET MID |

Client Sample ID: PH02A

Date Collected: 02/06/23 12:20

Date Received: 02/06/23 15:45

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45814 | 02/09/23 11:49 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 04:34 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 45829 | 02/08/23 18:13 | СН | EET MID |

Client Sample ID: PH02B Date Collected: 02/06/23 12:30 Date Received: 02/06/23 15:45

Released to Imaging: 8/30/2023 11:15:58 AM

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 45779 | 02/08/23 11:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 45814 | 02/09/23 12:09 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 45985 | 02/10/23 11:22 | SM | EET MID |

Eurofins Carlsbad

Matrix: Solid

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Job ID: 890-4038-1

SDG: 03C1558150

Matrix: Solid

Lab Sample ID: 890-4038-7

Lab Chronicle

Client: Ensolum Project/Site: ADU 641

Client Sample ID: PH02B Date Collected: 02/06/23 12:30

Date Received: 02/06/23 15:45

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | | 45876 | 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 04:56 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 45808 | 02/08/23 14:58 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45829 | 02/08/23 18:19 | СН | EET MID |

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 8/30/2023 11:15:58 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: ADU 641

Laboratory: Eurofins Midland

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

| thority | P | rogram | Identification Number | Expiration Date |
|------------------------------------------|-------------------------------|---------------------------------|----------------------------------------------|--------------------------|
| as | N | IELAP | T104704400-22-25 | 06-30-23 |
| The following analytes | are included in this report h | ut the laboratory is not certif | ied by the governing authority. This list ma | w include analytes for y |
| the agency does not o | ffer certification. | , | , , , , , , | |
| the agency does not o Analysis Method | 1 , | Matrix | Analyte | |
| the agency does not o | ffer certification. | , | , , , , , , | |

2/14/2023

Job ID: 890-4038-1 SDG: 03C1558150

Method Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4038-1 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 Refe | erences: | | |
| ASTM = A | STM International | | |
| EPA = US | Environmental Protection Agency | | |
| SW846 = | "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi | ion, November 1986 And Its Updates. | |
| TAL SOP | = TestAmerica Laboratories, Standard Operating Procedure | | |
| Laboratory R | eferences: | | |
| EET MID | = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 | | |
| | | | |
| | | | |
| | | | |
| | | | |

Laboratory References:

Eurofins Carlsbad

Released to Imaging: 8/30/2023 11:15:58 AM

Sample Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4038-1 SDG: 03C1558150

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth | |
|---------------|------------------|--------|----------------|----------------|-------|-----|
| 890-4038-1 | PH01 | Solid | 02/06/23 09:10 | 02/06/23 15:45 | 0.5 | Λ |
| 890-4038-2 | PH01A | Solid | 02/06/23 09:30 | 02/06/23 15:45 | 4 | |
| 890-4038-3 | PH01B | Solid | 02/06/23 10:00 | 02/06/23 15:45 | 16 | . 5 |
| 890-4038-4 | PH01C | Solid | 02/06/23 10:10 | 02/06/23 15:45 | 19 | |
| 890-4038-5 | PH02 | Solid | 02/06/23 12:00 | 02/06/23 15:45 | 0.5 | |
| 890-4038-6 | PH02A | Solid | 02/06/23 12:20 | 02/06/23 15:45 | 4 | |
| 890-4038-7 | PH02B | Solid | 02/06/23 12:30 | 02/06/23 15:45 | 8 | |
| | | | | | | 8 |
| | | | | | | 9 |
| | | | | | | |
| | | | | | | |
| | | | | | | 12 |
| | | | | | | 13 |
| | | | | | | |

| | | 4 6 | | | | | | |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | | 545 | · 2. loid3 | c | S | VIR | in | ORan |
| ature) Date/Time | ure) Received by: (Signature) | Relinquished by: (Signature) | Date/Time | | Received by: (Signature) | Receiver | ed by: (Signature) | Relipquished by: (S |
| | d terms and conditions as beyond the control unless previously negotiated. | 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 nego | ofins Xenco, its affiliates a nses incurred by the clien surofins Xenco, but not a | from client company to Euro ibility for any losses or exper each sample submitted to I | s a valid purchase order not assume any respons ct and a charge of \$5 fo | imples constitutes amples and shall r led to each projec | ent and relinquishment of si e liable only for the cost of s harge of \$85.00 will be app | Notice: Signature of this docum of service. Eurofins Xenco will t of Eurofins Xenco. A minimum |
| Ag STO ₂ Na Sr TI Sn U V Zn Hg: 1631/245.1/7470/7471 | li K Se | A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb M TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni |) As Ba Be B C Sb As Ba Be Cd | 1 Texas 11 Al Sb P 6010 : 8RCRA St | 8RCRA 13PPM TCLP/SPLP | nalyzed | 200.8 / 6020: d Metal(s) to be a | Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed |
| | | | | | | | | |
| | | 64 | | | C ~ ~ | ~ | | FRUECIA |
| | | | 446 | 8.41 | 1230 | < | | PHO2 B |
| E Morrissey Clersdan. | | | | 4 1 | 1220 | | | PH-2A |
| > | | | | 0.5 1 | 1200 | | | PHO2 |
| 113614001 | | | | 1911 | 1010 | | | PHOIC |
| 40; | | | | 16' 1 1 | 1000 | | | PHOLB |
| 1401230235557 | | | | 4/11/ | 0130 | | | PHOIN |
| Fueiden+#: | | 8 | XXX | 0.5 6 1 | X10 | 2/6/23 | S | PHON |
| Sample Comments | | | B | Depth Grab/ # of Comp Cont | Time Sampled | Tx Date Sampled | ation | Sample Identification |
| NaUH+Ascorbic Acid: SAPC | | | PH | 5.4 | Corrected Temperature: | Corrected | | Total Containers: |
| Zn Acetate+NaOH: Zn | | 890-4038 0 | ı | 1 | Temperature Reading: | Temperat | Yes No N/A | Sample Custody Seals: |
| Na ₂ S ₂ O ₃ : NaSO ₃ | | | | è | n Factor: | Correction Factor: | Yes No N/A | Cooler Custody Seals: |
| NaHSO 4: NABIS | | | | NO07 | - F | Thermometer ID: | fes | Samples Received Intact: |
| H ₃ PO ₄ : HP | | | | (Xes) No | Wet Ice: | (Yes) No | Theme Blank: | SAMPLE RECEIPT |
| H ₂ S0 ₄ : H ₂ NaOH: Na | | | | | the lab, if received by 4:30pm | | | PO #: |
| HCL: HC HNO 3: HN | | | | ay received by | | Obilui | 1 | Sampler's Name: |
| Cool: Cool MeOH: Me | | | | 24hi | Due Date: | -104 2026 | 334. | _ |
| None: NO DI Water: H ₂ O | | | | Rush Code | Routine | 40 | 0361558 |)er: |
| Preservative Codes | JEST | ANALYSIS REQUEST | | | Turn Around | | ADU GYI | Project Name: |
| ADaPT Other: | Deliverables: EDD | ndt. com | y ret Certon marl. | Garlet. Gite | Email: | 4307 | 257- | |
| PST/UST TRRP L Level IV | Reporting: Level II Level III | | | City, State ZIP: | 0 | 1 4822 | citized Na | City, State ZIP: |
|] | State of Project: | | | Address: | Huy | 1 d Rey les | 3122 North | |
| Brownfields RRC Superfund | Program: UST/PST PRP | | NU | Company Name: | | | Ch Solan | Company Name: |
| Work Order Comments | Work Orde | breen | GullEt 6 | Bill to: (if different) | | Marri 55es | 14/una | Project Manager: |
| com Page 1 of 1 | www.xenco.com | Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | 75) 392-7550, Carlsba | Hobbs, NM (S | | | | |
| lo: | Work Order No: | Midland, TX (432) 704-5440, San Antonio, TX (210) 509-334 El barr TV (615) 196-5440, San Antonio, TX (210) 509-334 | Filosophy in (1432) 704-5440, San Antonio, TX (210) 509-33: El Baro TX (210) 509-33: Jubbork TX (210) 509-33: | Midland, TX (43 | esting | Environment Testing | | |
| | | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 | (281) 240-4200, Dalla | Houston, TX | | | | CHIOINS |

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13

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4038 List Number: 1 Creator: Clifton, Cloe

| 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 | |

Job Number: 890-4038-1 SDG Number: 03C1558150

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Job Number: 890-4038-1 SDG Number: 03C1558150

List Source: Eurofins Midland

List Creation: 02/08/23 02:46 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4038 List Number: 2 Creator: Rodriguez, Leticia

| 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 | N/A | |

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 4/13/2023 7:05:29 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/13/2023 7:38:37 PM

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558180

JOB NUMBER

890-4051-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.

Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/13/2023 7:38:37 PM

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| | Definitions/Glossary | | |
|------------------|-------------------------------------------------------------------------------------------------------------|-------|--|
| Client: Ensolur | | | |
| Project/Site: Al | DU 641 SDG: 03C15 | 58180 | |
| Qualifiers | | | |
| GC VOA | | | |
| Qualifier | Qualifier Description | | |
| *_ | LCS and/or LCSD is outside acceptance limits, low biased. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| GC Semi VOA | N N N N N N N N N N N N N N N N N N N | | |
| Qualifier | Qualifier Description | | |
| *_ | LCS and/or LCSD is outside acceptance limits, low biased. | | |
| *1 | LCS/LCSD RPD exceeds control limits. | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| S1- | Surrogate recovery exceeds control limits, low biased. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| HPLC/IC | | | |
| Qualifier | Qualifier Description | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| Glossary | | | |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | | |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | | |
| %R | Percent Recovery | | |
| CFL | Contains Free Liquid | | |
| CFU | Colony Forming Unit | | |
| CNF | Contains No Free Liquid | | |
| DER | Duplicate Error Ratio (normalized absolute difference) | | |
| Dil Fac | Dilution Factor | | |
| DL | Detection Limit (DoD/DOE) | | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | | |

DLCDecision Level Concentration (Radiochemistry)EDLEstimated Detection Limit (Dioxin)LODLimit 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)

MPNMost Probable NumberMQLMethod Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEGNegative / AbsentPOSPositive / Present

PQLPractical Quantitation LimitPRESPresumptive

QC Quality Control

 RER
 Relative Error Ratio (Radiochemistry)

 RL
 Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Job ID: 890-4051-1 SDG: 03C1558180

Job ID: 890-4051-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4051-1

Receipt

The samples were received on 2/7/2023 3:05 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 1.0°C

Receipt Exceptions

The following were received and analyzed from an unpreserved bulk soil jar: SW01 (890-4051-1), SW02 (890-4051-2), SW03 (890-4051-3), SW04 (890-4051-4) and SW05 (890-4051-5).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-46016 and analytical batch 880-46059 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW01 (890-4051-1), SW02 (890-4051-2), SW03 (890-4051-3), SW04 (890-4051-4), SW05 (890-4051-5), (890-4049-A-1-B), (890-4049-A-1-C MS) and (890-4049-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: LCS biased low. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.(LCS 880-45928/2-A)

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-45928 and analytical batch 880-46064. The associated laboratory control sample (LCS) met acceptance criteria.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-45902 and analytical batch 880-45920 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

RL

0.00199

0.00199

0.00199

0.00398

0.00199

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

02/10/23 14:55

02/10/23 14:55

02/10/23 14:55

02/10/23 14:55

02/10/23 14:55

Job ID: 890-4051-1 SDG: 03C1558180

Client Sample ID: SW01

Date Collected: 02/07/23 13:20 Date Received: 02/07/23 15:05

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

Result Qualifier

U

<0.00199 U

<0.00199 U*-

<0.00199 U*-

<0.00398

<0.00199 U

Sample Depth: 0 - 4

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Project/Site: ADU 641

Lab Sample ID: 890-4051-1

Analyzed

02/11/23 19:27

02/11/23 19:27

02/11/23 19:27

02/11/23 19:27

02/11/23 19:27

Matrix: Solid

5 Dil Fac 1 1 1 1 1 Dil Fac 1 1 Dil Fac 1 Dil Fac

| e / Glene | -0.00100 | 0 | 0.00100 | ing/itg | | 02/10/20 11:00 | 02/11/20 10.21 | |
|-----------------------------------------|---------------|----------------------|----------|---------|----------|----------------------------|----------------------------|-----------|
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/10/23 14:55 | 02/11/23 19:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 19:27 | 1 |
| 1,4-Difluorobenzene (Surr) | 111 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 19:27 | 1 |
| | | | | | | | | |
| Method: TAL SOP Total BTEX - T | | Qualifier | RL | Unit | D | Branarad | Analyzad | Dil Fac |
| Analyte Total BTEX | <0.00398 | | 0.00398 | mg/Kg | | Prepared | Analyzed 02/13/23 19:39 | 1 |
| | <0.00398 | 0 | 0.00398 | ilig/Kg | | | 02/13/23 19.39 | I |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/13/23 17:59 | 1 |
| | | | | | | | | |
| Method: SW846 8015B NM - Dies | | | · · · | 11-14 | | Drawarad | Analyzad | |
| Analyte | | Qualifier U *- *1 | | Unit | <u>D</u> | Prepared 02/09/23 17:25 | Analyzed 02/12/23 15:33 | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | 0 - 1 | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 15.33 | 1 |
| Diesel Range Organics (Over | <49.9 | U *- *1 | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 15:33 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 15:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 2 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 15:33 | 1 |
| o-Terphenyl | 0.6 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 15:33 | 1 |
| | Chromatogram | ohv - Solubi | le | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 6.83 | F1 | 4.97 | mg/Kg | | | 02/09/23 19:26 | 1 |
| Client Sample ID: SW02 | | | | | | Lab Sar | nple ID: 890- | 4051-2 |
| Date Collected: 02/07/23 13:25 | | | | | | | | ix: Solid |
| Date Received: 02/07/23 15:05 | | | | | | | | |
| Sample Depth: 0 - 4 | | | | | | | | |
| | | | | | | | | |
| Method: SW846 8021B - Volatile | | | • | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | | | 0.00199 | mg/Kg | | 02/10/23 14:55 | 02/11/23 19:47 | 1 |
| Toluene | <0.00199 | | 0.00199 | mg/Kg | | 02/10/23 14:55 | 02/11/23 19:47 | 1 |
| Ethylbenzene | <0.00199 | U *- | 0.00199 | mg/Kg | | 02/10/23 14:55 | 02/11/23 19:47 | 1 |
| and Verlage 8 and Verlage | .0 0000 | | 0 00000 | | | 00/40/00 44.55 | 00/44/00 40.47 | - |

Ethylbe <0.00398 U 0.00398 02/10/23 14:55 02/11/23 19:47 m-Xylene & p-Xylene mg/Kg 1 o-Xylene <0.00199 U 0.00199 02/10/23 14:55 02/11/23 19:47 mg/Kg 1 <0.00398 U 0.00398 02/10/23 14:55 02/11/23 19:47 Xylenes, Total mg/Kg 1 Qualifier Limits Prepared Surrogate %Recovery Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 122 70 - 130 02/10/23 14:55 02/11/23 19:47 1

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| | Method: EPA 300.0 - Anions, Ion Cl | nromatograp | hy - Soluble | | | | | | |
|---|------------------------------------|-------------|--------------|------|-------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| l | Chloride | 6.83 | F1 | 4.97 | mg/Kg | | | 02/09/23 19:26 | 1 |

Client Date C Date R

| Released to Imagin | g: 8/30/2023 | 11:15:58 AM | |
|---------------------------|--------------|-------------|--|
|---------------------------|--------------|-------------|--|

```
2/13/2023
```

Client Sample Results

Job ID: 890-4051-1 SDG: 03C1558180

Lab Sample ID: 890-4051-2

Client Sample ID: SW02

Date Collected: 02/07/23 13:25 Date Received: 02/07/23 15:05

Sample Depth: 0 - 4

Client: Ensolum Project/Site: ADU 641

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

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|----------|---------------|----------|-------------------------|----------------------------------|-----------------------------------|
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 19:47 | 1 |
| Method: TAL SOP Total BTEX - T | otal BTEX Calo | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/13/23 19:39 | 1 |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/13/23 17:59 | 1 |
| | | | | | | | | |
| | | | · · · | Unit | п | Prenared | Analyzed | Dil Fac |
| Analyte | Result | Qualifier | | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Gasoline Range Organics | Result | | · · · | Unit mg/Kg | <u>D</u> | Prepared 02/09/23 17:25 | Analyzed | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <50.0 | Qualifier | | mg/Kg | <u> </u> | <u> </u> | | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <50.0 | Qualifier U *- *1 | RL | | <u>D</u> | 02/09/23 17:25 | 02/12/23 15:55 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | Qualifier U *- *1 U *- *1 | RL | mg/Kg | <u> </u> | 02/09/23 17:25 | 02/12/23 15:55 | Dil Fac 1 1 |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | | Qualifier U *- *1 U *- *1 U | RL 50.0 | mg/Kg | <u> </u> | 02/09/23 17:25 | 02/12/23 15:55 02/12/23 15:55 | Dil Fac 1 1 1 Dil Fac |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result C | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|----------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00 L | U | 5.00 | mg/Kg | | | 02/09/23 19:45 | 1 |

70 - 130

0.6 S1-

Client Sample ID: SW03

o-Terphenyl

Date Collected: 02/07/23 13:30 Date Received: 02/07/23 15:05 Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 02/10/23 14:55 02/11/23 21:37 Toluene <0.00199 U*-0.00199 02/10/23 14:55 02/11/23 21:37 mg/Kg Ethylbenzene <0.00199 U*-0.00199 mg/Kg 02/10/23 14:55 02/11/23 21:37 m-Xylene & p-Xylene <0.00398 U 0.00398 02/10/23 14:55 02/11/23 21:37 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 02/10/23 14:55 02/11/23 21:37 Xylenes, Total <0.00398 U 0.00398 mg/Kg 02/10/23 14:55 02/11/23 21:37 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 02/10/23 14:55 4-Bromofluorobenzene (Surr) 119 02/11/23 21:37 1,4-Difluorobenzene (Surr) 108 70 - 130 02/10/23 14:55 02/11/23 21:37 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00308 T 0.00398 02/13/23 19:39

| Iotal BTEX | <0.00396 0 | 0.00398 | iiig/Kg | | | 02/13/23 19.39 | 1 |
|--------------------------------------|------------------|------------|---------|---|----------|----------------|---------|
| Method: SW846 8015 NM - Diesel F | Range Organics (| (DRO) (GC) | | | | | |
| Analyte | Result Qua | alifier RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 U | 49.9 | mg/Kg | | | 02/13/23 17:59 | 1 |

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Matrix: Solid

5

02/09/23 17:25 02/12/23 15:55 02/12/23 15:55 02/09/23 17:25

Lab Sample ID: 890-4051-3

Matrix: Solid

1

1

1

1

1

1

1

1

1

Client Sample Results

Job ID: 890-4051-1 SDG: 03C1558180

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4051-3

Client Sample ID: SW03

Date Collected: 02/07/23 13:30 Date Received: 02/07/23 15:05

Sample Depth: 0 - 4

Project/Site: ADU 641

Client: Ensolum

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U *- *1 | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:17 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *- *1 | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:17 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 2 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 16:17 | 1 |
| o-Terphenyl | 0.5 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 16:17 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------------|------|-------|---|----------|----------------|---------|
| Chloride | <4.99 U | 4.99 | mg/Kg | | | 02/09/23 19:51 | 1 |

Client Sample ID: SW04

Date Collected: 02/07/23 13:35

Date Received: 02/07/23 15:05 Sample Depth: 0 - 4

Г

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| Toluene | <0.00200 | U *- | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| Ethylbenzene | <0.00200 | U *- | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 21:58 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac D Total BTEX <0.00399 U 0.00399 02/13/23 19:39 mg/Kg 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 | | | 02/13/23 17:59 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.0 | U *- *1 | 50.0 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:38 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U *- *1 | 50.0 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:38 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/09/23 17:25 | 02/12/23 16:38 | 1 |
| | ~- | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 3 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 16:38 | 1 |
| o-Terphenyl | 0.3 | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 16:38 | 1 |

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| | | Clier | nt Sample Res | sults | | | | |
|----------------------------------------|-----------------------|----------------------|---------------------|---------------|---|----------------------------|----------------------------|-----------|
| Client: Ensolum | | | | | | | Job ID: 890 |)-4051-1 |
| Project/Site: ADU 641 | | | | | | | SDG: 03C1 | 1558180 |
| Client Sample ID: SW04 | | | | | | Lab San | nple ID: 890- | 4051-4 |
| Date Collected: 02/07/23 13:35 | | | | | | | | ix: Solid |
| Date Received: 02/07/23 15:05 | | | | | | | inati | X. 00110 |
| Sample Depth: 0 - 4 | | | | | | | | |
| | | | | | | | | |
| Method: EPA 300.0 - Anions, Ic | • • | - | | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <4.95 | U | 4.95 | mg/Kg | | | 02/09/23 20:10 | 1 |
| Client Sample ID: SW05 | | | | | | Lab San | nple ID: 890- | 4051-5 |
| Date Collected: 02/07/23 13:40 | | | | | | | | ix: Solid |
| Date Received: 02/07/23 15:05 | | | | | | | | |
| Sample Depth: 0 - 4 | | | | | | | | |
| _ | | | | | | | | |
| Method: SW846 8021B - Volati | | | | 1114 | | Description | American | D!! |
| Analyte | | Qualifier | RL | Unit | D | Prepared 02/10/23 14:55 | Analyzed 02/11/23 22:18 | Dil Fac |
| Benzene | <0.00200 | | 0.00200 | mg/Kg | | 02/10/23 14:55 | | 1 |
| Toluene | <0.00200 | | 0.00200 | mg/Kg | | | 02/11/23 22:18 | 1 |
| Ethylbenzene | < 0.00200 | | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| m-Xylene & p-Xylene | < 0.00401 | | 0.00401 | mg/Kg | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| o-Xylene | < 0.00200 | | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 122 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 22:18 | 1 |
| _ Method: TAL SOP Total BTEX ⋅ | | | | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00401 | | 0.00401 | mg/Kg | | | 02/13/23 19:39 | 1 |
| | <0.00 4 01 | 0 | 0.00401 | mg/rtg | | | 02/13/23 13:33 | |
| Method: SW846 8015 NM - Dies | sel Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/13/23 17:59 | 1 |
| | | | | | | | | |
| Method: SW846 8015B NM - Di Analyte | | | · · · | Unit | D | Bronorod | Applyrod | Dil Eco |
| Gasoline Range Organics | | Qualifier U *- *1 | - <u>RL</u> 49.9 | Unit mg/Kg | | Prepared 02/09/23 17:25 | Analyzed 02/12/23 17:21 | Dil Fac |
| (GRO)-C6-C10 | ~49.9 | 5 - 1 | 43.3 | ilig/Kg | | 52103125 11.23 | JZ/12/2J 11.21 | I |
| Diesel Range Organics (Over | <49.9 | U *- *1 | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 17:21 | 1 |
| C10-C28) | | | | 0.0 | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/09/23 17:25 | 02/12/23 17:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 17:21 | 1 |
| o-Terphenyl | | S1- | 70 - 130 | | | 02/09/23 17:25 | 02/12/23 17:21 | 1 |
| | | | | | | | | |
| Method: EPA 300.0 - Anions, Ic | on Chromatograp | hy - Solub | le | | | | | |
| | | | | | | | | |
| Analyte Chloride | Result 7.82 | Qualifier | RL | Unit mg/Kg | D | Prepared | Analyzed 02/09/23 20:16 | Dil Fac |

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Surrogate Summary

Client: Ensolum Project/Site: ADU 641

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 **Client Sample ID** (70-130) (70-130) Lab Sample ID 890-4047-A-1-C MS Matrix Spike 113 112 890-4047-A-1-D MSD Matrix Spike Duplicate 109 112 890-4051-1 SW01 121 111 SW02 890-4051-2 122 108 890-4051-3 SW03 119 108 SW04 890-4051-4 120 105 890-4051-5 SW05 122 107 LCS 880-46016/1-A 108 110 Lab Control Sample LCSD 880-46016/2-A Lab Control Sample Dup 114 110 MB 880-46016/5-A Method Blank 111 105 Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

| IVI | at | rix: | 50 | lla |
|-----|----|------|----|-----|
| | | | | |

| | | | | Percent Surrogate |
|--------------------|------------------------|----------|----------|-------------------|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-4049-A-1-C MS | Matrix Spike | 2 S1- | 0.4 S1- | |
| 890-4049-A-1-D MSD | Matrix Spike Duplicate | 2 S1- | 0.6 S1- | |
| 890-4051-1 | SW01 | 2 S1- | 0.6 S1- | |
| 890-4051-2 | SW02 | 3 S1- | 0.6 S1- | |
| 890-4051-3 | SW03 | 2 S1- | 0.5 S1- | |
| 890-4051-4 | SW04 | 3 S1- | 0.3 S1- | |
| 890-4051-5 | SW05 | 2 S1- | 0.5 S1- | |
| LCS 880-45928/2-A | Lab Control Sample | 81 | 83 | |
| LCSD 880-45928/3-A | Lab Control Sample Dup | 93 | 100 | |
| MB 880-45928/1-A | Method Blank | 87 | 105 | |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

6

Job ID: 890-4051-1 SDG: 03C1558180

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Project/Site: ADU 641

Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-46016/ Matrix: Solid Analysis Batch: 46059 | | МВ | | | | Client Sar | mple ID: Metho Prep Type: T Prep Batch | Total/NA | 4 5 |
|------------------------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------------------------------------|----------|--------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | 7 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | 8 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |
| | MB | МВ | | | | | | | 9 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/10/23 14:55 | 02/11/23 16:15 | 1 | |

Lab Sample ID: LCS 880-46016/1-A Matrix: Solid

Analysis Batch: 46059

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.07008 | | mg/Kg | | 70 | 70 - 130 | |
| Toluene | 0.100 | 0.06866 | *_ | mg/Kg | | 69 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.06746 | *_ | mg/Kg | | 67 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1444 | | mg/Kg | | 72 | 70 - 130 | |
| o-Xylene | 0.100 | 0.07197 | | mg/Kg | | 72 | 70 - 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-46016/2-A

Matrix: Solid

| Analysis Batch: 46059 | | | | | | | Prep | Batch: | 46016 |
|-----------------------|-------|---------|-----------|-------|---|------|----------|--------|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.07747 | | mg/Kg | | 77 | 70 - 130 | 10 | 35 |
| Toluene | 0.100 | 0.07237 | | mg/Kg | | 72 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.07187 | | mg/Kg | | 72 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1528 | | mg/Kg | | 76 | 70 - 130 | 6 | 35 |
| o-Xylene | 0.100 | 0.07577 | | mg/Kg | | 76 | 70 - 130 | 5 | 35 |
| | | | | | | | | | |

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

Lab Sample ID: 890-4047-A-1-C MS

Matrix: Solid

| Analysis Batch: 46059 | | | | | | | | | Prep | o Batch: 46016 | |
|-----------------------|----------|-----------|--------|--------|-----------|-------|---|------|----------|----------------|--|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Benzene | <0.00201 | U | 0.0990 | 0.1079 | | mg/Kg | | 109 | 70 - 130 | | |
| Toluene | <0.00201 | U *- | 0.0990 | 0.1062 | | mg/Kg | | 107 | 70 - 130 | | |

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Job ID: 890-4051-1 SDG: 03C1558180

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: **Prep Bato**

Prep Type: Total/NA

| Total/NA | |
|-----------|---|
| ch: 46016 | |
| | 1 |
| | - |

Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4051-1 SDG: 03C1558180

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

| Lab Sample ID: 890-4047-A-1- | CMS | | | | | | | | Client | Sample ID: | | |
|-----------------------------------|--------------|-------|-----------|---------------------------|--------|-----------|-------|-------|----------------------------|----------------------|---------|---------|
| Matrix: Solid | | | | | | | | | | | ype: To | |
| Analysis Batch: 46059 | | | | | | | | | | | Batch: | 4601 |
| | Sample | Sam | ple | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qual | ifier | Added | Result | Qualifier | Unit | | D %Rec | Limits | | |
| Ethylbenzene | <0.00201 | U *- | | 0.0990 | 0.1065 | | mg/Kg | | 108 | 70 - 130 | | |
| m-Xylene & p-Xylene | < 0.00402 | U | | 0.198 | 0.2259 | | mg/Kg | | 114 | 70 - 130 | | |
| o-Xylene | <0.00201 | U | | 0.0990 | 0.1081 | | mg/Kg | | 109 | 70 - 130 | | |
| | MS | MS | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 113 | | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 112 | | | 70 - 130 | | | | | | | | |
| Lab Sample ID: 890-4047-A-1- | D MSD | | | | | | c | Clien | t Sample ID: | : Matrix Sp | ike Du | olicate |
| Matrix: Solid | | | | | | | | | | | ype: To | |
| Analysis Batch: 46059 | | | | | | | | | | | Batch: | |
| | Sample | Sam | ple | Spike | MSD | MSD | | | | %Rec | | RP |
| Analyte | Result | Qual | ifier | Added | Result | Qualifier | Unit | | D %Rec | Limits | RPD | Lim |
| Benzene | <0.00201 | U | | 0.0998 | 0.1140 | | mg/Kg | | | 70 - 130 | 6 | 3 |
| Toluene | < 0.00201 | | | 0.0998 | 0.1074 | | mg/Kg | | 108 | 70 - 130 | 1 | 3 |
| Ethylbenzene | < 0.00201 | U *- | | 0.0998 | 0.1067 | | mg/Kg | | 107 | 70 - 130 | 0 | 3 |
| m-Xylene & p-Xylene | < 0.00402 | | | 0.200 | 0.2247 | | mg/Kg | | 113 | 70 - 130 | 1 | 3 |
| o-Xylene | <0.00402 | | | 0.200 | 0.1069 | | mg/Kg | | 107 | 70 - 130 | 1 | 3 |
| | | | | 0.0000 | 011000 | | | | 101 | | | |
| • | | MSD | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 109 | | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 112 | | | 70 - 130 | | | | | | | | |
| lethod: 8015B NM - Diese | I Range O | rgar | ics (DR | O) (GC) | | | | | | | | |
| Lab Sample ID: MB 880-45928 | /1 -A | | | | | | | | Client Sa | ample ID: I | Nethod | Blanl |
| Matrix: Solid | | | | | | | | | | Prep T | ype: To | tal/N/ |
| Analysis Batch: 46064 | | | | | | | | | | | Batch: | |
| | | МВ | МВ | | | | | | | | | |
| Analyte | R | esult | Qualifier | R | L | Unit | | D | Prepared | Analyz | ed | Dil Fa |
| Gasoline Range Organics | | | U | 50 | | mg/K | q | | 02/09/23 17:25 | 02/12/23 (| | |
| (GRO)-C6-C10 | | | | | | 3, | 0 | | | | | |
| Diesel Range Organics (Over | < | <50.0 | U | 50 | .0 | mg/K | g | (| 02/09/23 17:25 | 02/12/23 (| 09:21 | |
| C10-C28) | | | | | | - | | | | | | |
| Oll Range Organics (Over C28-C36) | < | <50.0 | U | 50 | .0 | mg/K | g | (| 02/09/23 17:25 | 02/12/23 (| 09:21 | |
| | | MB | МВ | | | | | | | | | |
| | | | | | | | | | | | | |
| Surrogate | %Reco | | Qualifier | Limits | | | | | Prepared | Analyz | ed | Dil Fa |
| Surrogate 1-Chlorooctane | %Reco | | Qualifier | <i>Limits</i> 70 _ 130 | _ | | | | Prepared 02/09/23 17:25 | Analyz 02/12/23 (| | Dil Fa |

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

Analysis Batch: 46064 Prep Batch: 45928 %Rec Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits 628.6 *_ Gasoline Range Organics 1000 63 70 - 130 mg/Kg (GRO)-C6-C10 70 - 130 Diesel Range Organics (Over 1000 649.0 *mg/Kg 65 C10-C28)

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Lab Sample ID: LCS 880-45928/2-A

Matrix: Solid

QC Sample Results

Job ID: 890-4051-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCS 880-459 Matrix: Solid | 928/2-A | | | | | | Client | Sample | ID: Lab Co Prep 1 | ontrol Sa Type: Tot | |
|----------------------------------------------------------------------|------------|-------------------------|------------|-----------------|-------------------|-------|---------|-----------|----------------------|------------------------|-------|
| Analysis Batch: 46064 | | | | | | | | | | Batch: | |
| | | | | | | | | | | | |
| • • • | | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 81 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 83 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: LCSD 880-4 | 5928/3-A | | | | | Clier | nt Sam | ple ID: I | Lab Contro | Sampl | e Du |
| Matrix: Solid | | | | | | | | | | Type: Tot | |
| Analysis Batch: 46064 | | | | | | | | | | Batch: | |
| | | | Spike | LCSD | LCSD | | | | %Rec | | RP |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Lim |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 886.7 | *1 | mg/Kg | | 89 | 70 - 130 | 34 | 2 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 848.7 | *1 | mg/Kg | | 85 | 70 - 130 | 27 | 2 |
| | LCSD | LCSD | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 1-Chlorooctane | | duamer | 70 - 130 | | | | | | | | |
| o-Terphenyl | 100 | | 70 - 130 | | | | | | | | |
| , , | | | | | | | | | | | |
| Lab Sample ID: 890-4049-A- Matrix: Solid Analysis Batch: 46064 | | | | | | | | | | Type: Tot Batch: | tal/N |
| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U F1 *- *1 | 998 | <49.9 | U F1 | mg/Kg | | 0 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U F1 *- *1 | 998 | <49.9 | U F1 | mg/Kg | | 0.2 | 70 - 130 | | |
| | MS | MS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 2 | S1- | 70 - 130 | | | | | | | | |
| o-Terphenyl | 0.4 | S1- | 70 - 130 | | | | | | | | |
| | | | | | | | | | | | |
| Lab Sample ID: 890-4049-A- | 1-D MSD | | | | | CI | ient Sa | ample ID | : Matrix Sp | | |
| Matrix: Solid | | | | | | | | | | Type: Tot | |
| Analysis Batch: 46064 | . . | <u> </u> | o " | | | | | | | Batch: | |
| A | • | Sample | Spike | | MSD | 11 | _ | 0/ D | %Rec | | RP |
| Analyte Gasoline Range Organics | | Qualifier U F1 *- *1 | Added | Kesult <49.9 | Qualifier U F1 | Unit | D | | Limits 70 - 130 | NC | Lim |
| (GRO)-C6-C10 | | | | | | mg/Kg | | | | | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U F1 *- *1 | 997 | <49.9 | UF1 | mg/Kg | | 0.3 | 70 - 130 | 3 | 2 |
| | MSD | MSD | | | | | | | | | |
| | | | ••• | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| Surrogate 1-Chlorooctane | | Qualifier S1- | | | | | | | | | |

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Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4051-1 SDG: 03C1558180

Method: 300.0 - Anions, Ion Chromatography

| | | <u> </u> | | | | | | | | | | | | |
|--------------------------------------------------|----------------|----------|-----|--------------|------|-----------------|----------|-----------------|--------|----------|------------|--------------------|-------------------|-------------|
| Lab Sample ID: MB 880-45902/1-A Matrix: Solid | | | | | | | | | | | Client S | Sample ID: Pror | Method Type: S | |
| Analysis Batch: 45920 | | | | | | | | | | | | LICH | rype. S | oluble |
| Analysis Batch. 43520 | | MB N | ИB | | | | | | | | | | | |
| Analyte | R | lesult C | | | RL | | Ur | nit | D | P | repared | Analy | /zed | Dil Fac |
| Chloride | | <5.00 U | | | 5.00 | | | g/Kg | | | opulou | 02/09/23 | | 1 |
| _ | | 0.00 0 | | | 0.00 | | | 9.1.9 | | | | 02,00,20 | ,= | • |
| Lab Sample ID: LCS 880-45902/2-A | | | | | | | | | Cli | ent | Sample | e ID: Lab (| Control S | ample |
| Matrix: Solid | | | | | | | | | | | | Prep | o Type: S | Soluble |
| Analysis Batch: 45920 | | | | | | | | | | | | | | |
| | | | | Spike | | LCS | LCS | | | | | %Rec | | |
| Analyte | | | | Added | | Result | Qualifie | r Unit | | D | %Rec | Limits | | |
| Chloride | | | | 250 | | 232.7 | | mg/Kg | | _ | 93 | 90 - 110 | | |
| - | | | | | | | | | | | | | | |
| Lab Sample ID: LCSD 880-45902/3- | -A | | | | | | | CI | ient S | Sam | ple ID: | Lab Contr | | |
| Matrix: Solid | | | | | | | | | | | | Prep | o Type: S | Soluble |
| Analysis Batch: 45920 | | | | | | | | | | | | ~ - | | |
| • • • | | | | Spike | | LCSD | | | | _ | ~ = | %Rec | | RPD |
| Analyte Chloride | | | | Added 250 | | 232.8 | Qualifie | | | <u>D</u> | %Rec | Limits | 0 | |
| Chioride | | | | 250 | | 232.8 | | mg/Kg | | | 93 | 90 - 110 | 0 | 20 |
| Lab Sample ID: 890-4051-1 MS | | | | | | | | | | | | Client Sa | mple ID: | SW01 |
| Matrix: Solid | | | | | | | | | | | | | Type: S | |
| Analysis Batch: 45920 | | | | | | | | | | | | | | |
| | Sample | Sample | e | Spike | | MS | MS | | | | | %Rec | | |
| Analyte | Result | Qualifi | er | Added | | Result | Qualifie | r Unit | | D | %Rec | Limits | | |
| Chloride | 6.83 | F1 | | 249 | | 220.1 | F1 | mg/Kg | | _ | 86 | 90 - 110 | | |
| - | | | | | | | | | | | | | | |
| Lab Sample ID: 890-4051-1 MSD | | | | | | | | | | | | Client Sa | mple ID: | SW01 |
| Matrix: Solid | | | | | | | | | | | | Prep | o Type: S | Soluble |
| Analysis Batch: 45920 | | | | | | | | | | | | | | |
| | Sample | Sample | e | Spike | | MSD | MSD | | | | | %Rec | | RPD |
| | | | | | | | | | | | | | | |
| Analyte | Result 6.83 | Qualifi | ier | Added 249 | | Result 220.2 | Qualifie | r Unit mg/Kg | | D | %Rec 86 | Limits | 0 | Limit 20 |

QC Association Summary

Client: Ensolum Project/Site: ADU 641

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Job ID: 890-4051-1 SDG: 03C1558180

GC VOA

Prep Batch: 46016

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4051-1 | SW01 | Total/NA | Solid | 5035 | |
| 890-4051-2 | SW02 | Total/NA | Solid | 5035 | |
| 890-4051-3 | SW03 | Total/NA | Solid | 5035 | |
| 890-4051-4 | SW04 | Total/NA | Solid | 5035 | |
| 890-4051-5 | SW05 | Total/NA | Solid | 5035 | |
| MB 880-46016/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46016/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46016/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4047-A-1-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-4047-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 46059

| Lab Control Sample | Total/INA | Solid | 5035 | _ | |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lab Control Sample Dup | Total/NA | Solid | 5035 | | 8 |
| Matrix Spike | Total/NA | Solid | 5035 | | |
| Matrix Spike Duplicate | Total/NA | Solid | 5035 | | 9 |
| | | | | | |
| Client Sample ID | Prep Type | Matrix | Method | Prep Batch | |
| SW01 | Total/NA | Solid | 8021B | 46016 | |
| SW02 | Total/NA | Solid | 8021B | 46016 | |
| SW03 | Total/NA | Solid | 8021B | 46016 | |
| SW04 | Total/NA | Solid | 8021B | 46016 | |
| SW05 | Total/NA | Solid | 8021B | 46016 | |
| Method Blank | Total/NA | Solid | 8021B | 46016 | 13 |
| Lab Control Sample | Total/NA | Solid | 8021B | 46016 | |
| Lab Control Sample Dup | Total/NA | Solid | 8021B | 46016 | |
| Matrix Spike | Total/NA | Solid | 8021B | 46016 | |
| Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46016 | |
| | Matrix Spike Matrix Spike Duplicate Client Sample ID SW01 SW02 SW03 SW04 SW05 Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike | Lab Control Sample DupTotal/NAMatrix SpikeTotal/NAMatrix Spike DuplicateTotal/NAClient Sample IDPrep TypeSW01Total/NASW02Total/NASW03Total/NASW04Total/NASW05Total/NASW05Total/NAMethod BlankTotal/NALab Control Sample DupTotal/NAMatrix SpikeTotal/NA | Lab Control Sample DupTotal/NASolidMatrix SpikeTotal/NASolidMatrix Spike DuplicateTotal/NASolidClient Sample IDPrep TypeMatrixSW01Total/NASolidSW02Total/NASolidSW03Total/NASolidSW04Total/NASolidSW05Total/NASolidSW05Total/NASolidMethod BlankTotal/NASolidLab Control Sample DupTotal/NASolidMatrix SpikeTotal/NASolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolidSolid | Lab Control Sample DupTotal/NASolid5035Matrix SpikeTotal/NASolid5035Matrix Spike DuplicateTotal/NASolid5035Client Sample IDPrep TypeMatrixMethodSW01Total/NASolid8021BSW02Total/NASolid8021BSW03Total/NASolid8021BSW04Total/NASolid8021BSW05Total/NASolid8021BSW05Total/NASolid8021BLab Control SampleTotal/NASolid8021BLab Control Sample DupTotal/NASolid8021BLab Control Sample DupTotal/NASolid8021BMatrix SpikeTotal/NASolid8021B | Lab Control Sample Dup Matrix SpikeTotal/NASolid5035Matrix SpikeTotal/NASolid5035Matrix Spike DuplicateTotal/NASolid5035Client Sample IDPrep TypeMatrixMethodPrep BatchSW01Total/NASolid8021B46016SW02Total/NASolid8021B46016SW03Total/NASolid8021B46016SW04Total/NASolid8021B46016SW05Total/NASolid8021B46016SW05Total/NASolid8021B46016SW05Total/NASolid8021B46016Lab Control SampleTotal/NASolid8021B46016Lab Control SampleTotal/NASolid8021B46016Lab Control Sample DupTotal/NASolid8021B46016Matrix SpikeTotal/NASolid8021B46016 |

Analysis Batch: 46244

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4051-1 | SW01 | Total/NA | Solid | Total BTEX | |
| 890-4051-2 | SW02 | Total/NA | Solid | Total BTEX | |
| 890-4051-3 | SW03 | Total/NA | Solid | Total BTEX | |
| 890-4051-4 | SW04 | Total/NA | Solid | Total BTEX | |
| 890-4051-5 | SW05 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 45928

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|-------------|------------|
| 890-4051-1 | SW01 | Total/NA | Solid | 8015NM Prep | |
| 890-4051-2 | SW02 | Total/NA | Solid | 8015NM Prep | |
| 890-4051-3 | SW03 | Total/NA | Solid | 8015NM Prep | |
| 890-4051-4 | SW04 | Total/NA | Solid | 8015NM Prep | |
| 890-4051-5 | SW05 | Total/NA | Solid | 8015NM Prep | |
| MB 880-45928/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-45928/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-45928/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4049-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4049-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |
| Analysis Batch: 46064 | | | | | |
| Analysis Batch. 40004 | | | | | |

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-4051-1 | SW01 | Total/NA | Solid | 8015B NM | 45928 |
| 890-4051-2 | SW02 | Total/NA | Solid | 8015B NM | 45928 |

Eurofins Carlsbad
QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC Semi VOA (Continued)

Analysis Batch: 46064 (Continued)

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4051-3 | SW03 | Total/NA | Solid | 8015B NM | 45928 |
| 890-4051-4 | SW04 | Total/NA | Solid | 8015B NM | 45928 |
| 890-4051-5 | SW05 | Total/NA | Solid | 8015B NM | 45928 |
| MB 880-45928/1-A | Method Blank | Total/NA | Solid | 8015B NM | 45928 |
| LCS 880-45928/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 45928 |
| LCSD 880-45928/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 45928 |
| 890-4049-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 45928 |
| 890-4049-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 45928 |

Analysis Batch: 46211

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4051-1 | SW01 | Total/NA | Solid | 8015 NM | |
| 890-4051-2 | SW02 | Total/NA | Solid | 8015 NM | |
| 890-4051-3 | SW03 | Total/NA | Solid | 8015 NM | |
| 890-4051-4 | SW04 | Total/NA | Solid | 8015 NM | |
| 890-4051-5 | SW05 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 45902

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4051-1 | SW01 | Soluble | Solid | DI Leach | |
| 890-4051-2 | SW02 | Soluble | Solid | DI Leach | |
| 890-4051-3 | SW03 | Soluble | Solid | DI Leach | |
| 890-4051-4 | SW04 | Soluble | Solid | DI Leach | |
| 890-4051-5 | SW05 | Soluble | Solid | DI Leach | |
| MB 880-45902/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-45902/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-45902/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4051-1 MS | SW01 | Soluble | Solid | DI Leach | |
| 890-4051-1 MSD | SW01 | Soluble | Solid | DI Leach | |

Analysis Batch: 45920

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4051-1 | SW01 | Soluble | Solid | 300.0 | 45902 |
| 890-4051-2 | SW02 | Soluble | Solid | 300.0 | 45902 |
| 890-4051-3 | SW03 | Soluble | Solid | 300.0 | 45902 |
| 890-4051-4 | SW04 | Soluble | Solid | 300.0 | 45902 |
| 890-4051-5 | SW05 | Soluble | Solid | 300.0 | 45902 |
| MB 880-45902/1-A | Method Blank | Soluble | Solid | 300.0 | 45902 |
| LCS 880-45902/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 45902 |
| LCSD 880-45902/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 45902 |
| 890-4051-1 MS | SW01 | Soluble | Solid | 300.0 | 45902 |
| 890-4051-1 MSD | SW01 | Soluble | Solid | 300.0 | 45902 |

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Job ID: 890-4051-1 SDG: 03C1558180

Lab Sample ID: 890-4051-1 Matrix: Solid

Lab Sample ID: 890-4051-3

Lab Sample ID: 890-4051-4

Matrix: Solid

Date Collected: 02/07/23 13:20 Date Received: 02/07/23 15:05

Client Sample ID: SW01

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 46016 | 02/10/23 14:55 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46059 | 02/11/23 19:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46244 | 02/13/23 19:39 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46211 | 02/13/23 17:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 45928 | 02/09/23 17:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46064 | 02/12/23 15:33 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 45902 | 02/09/23 14:14 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45920 | 02/09/23 19:26 | СН | EET MID |

Client Sample ID: SW02

Date Collected: 02/07/23 13:25

Date Received: 02/07/23 15:05

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46016 | 02/10/23 14:55 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46059 | 02/11/23 19:47 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46244 | 02/13/23 19:39 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46211 | 02/13/23 17:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 45928 | 02/09/23 17:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46064 | 02/12/23 15:55 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 45902 | 02/09/23 14:14 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45920 | 02/09/23 19:45 | СН | EET MID |

Client Sample ID: SW03

Date Collected: 02/07/23 13:30

Date Received: 02/07/23 15:05

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 46016 | 02/10/23 14:55 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46059 | 02/11/23 21:37 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46244 | 02/13/23 19:39 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46211 | 02/13/23 17:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 45928 | 02/09/23 17:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46064 | 02/12/23 16:17 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 45902 | 02/09/23 14:14 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45920 | 02/09/23 19:51 | СН | EET MID |

Client Sample ID: SW04 Date Collected: 02/07/23 13:35 Date Received: 02/07/23 15:05

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 46016 | 02/10/23 14:55 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46059 | 02/11/23 21:58 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46244 | 02/13/23 19:39 | SM | EET MID |

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-4051-2 Matrix: Solid

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Job ID: 890-4051-1 SDG: 03C1558180

Lab Sample ID: 890-4051-4

Lab Sample ID: 890-4051-5

Date Collected: 02/07/23 13:35 Date Received: 02/07/23 15:05

Client Sample ID: SW04

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46211 | 02/13/23 17:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 45928 | 02/09/23 17:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46064 | 02/12/23 16:38 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 45902 | 02/09/23 14:14 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45920 | 02/09/23 20:10 | CH | EET MID |

Client Sample ID: SW05 Date Collected: 02/07/23 13:40

Date Received: 02/07/23 15:05

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 46016 | 02/10/23 14:55 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46059 | 02/11/23 22:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46244 | 02/13/23 19:39 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46211 | 02/13/23 17:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 45928 | 02/09/23 17:25 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46064 | 02/12/23 17:21 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 45902 | 02/09/23 14:14 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 45920 | 02/09/23 20:16 | CH | EET MID |

Laboratory References:

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

Matrix: Solid

Matrix: Solid

5 9

Accreditation/Certification Summary

Client: Ensolum Project/Site: ADU 641

Laboratory: Eurofins Midland

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

| thority | rity Program | | Identification Number | |
|------------------------|------------------------------|----------------------------------|----------------------------------------------|-------------------------|
| xas | Ī | NELAP | T104704400-22-25 | 06-30-23 |
| The following analytes | are included in this report. | but the laboratory is not certif | ied by the governing authority. This list ma | ay include analytes for |
| the agency does not o | fer certification. | Matrix | Analyta | |
| 0, | | Matrix | Analyte | |
| the agency does not o | fer certification. | Matrix Solid | Analyte Total TPH | |

10

Job ID: 890-4051-1

SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4051-1 SDG: 03C1558180

| 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 |
| EPA = US | STM International Environmental Protection Agency | | |
| | 'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed | tion, November 1986 And Its Updates. | |
| TAL SOP : | = TestAmerica Laboratories, Standard Operating Procedure | | |
| Laboratory R | eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 | | |
| | | | |
| | | | |
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| | | | |
| | | | |

Laboratory References:

Eurofins Carlsbad

Released to Imaging: 8/30/2023 11:15:58 AM

Sample Summary

Client: Ensolum Project/Site: ADU 641

| ab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth | |
|--------------|------------------|--------|----------------|----------------|-------|---|
| 90-4051-1 | SW01 | Solid | 02/07/23 13:20 | 02/07/23 15:05 | 0 - 4 | |
| 90-4051-2 | SW02 | Solid | 02/07/23 13:25 | 02/07/23 15:05 | 0 - 4 | |
| 90-4051-3 | SW03 | Solid | 02/07/23 13:30 | 02/07/23 15:05 | 0 - 4 | |
| 90-4051-4 | SW04 | Solid | 02/07/23 13:35 | 02/07/23 15:05 | 0 - 4 | |
| 90-4051-5 | SW05 | Solid | 02/07/23 13:40 | 02/07/23 15:05 | 0 - 4 | |
| | | | | | | |
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| Environment Testing Housen Manager: Top Varies For Manager Number: 2122 Aldst-224.4 Malact 12 Barrier 2.452/44 Company Name: Company Name: Barrier 2.257-257-250 Enait Company Name: Number: 2.2532/27-257-250 Enait Company Name: Same: Carlos State ZP: Company Name: Company Name: Custody Saak: Ver. Competition Natar bady received by testing Natar bady received by testing Natar bady received by 430pm Custody Saak: Ver. N/N Temperature L Custody Saak: Ver. N/N Temperature Comp Carlos Samed Comp Carlos Samed Samed Comp Carlos | | | 74 | | | | | |
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| Currotins Environment Testing Isom Numerican Status Isom Numeric | | - | ١٩ | 1.22 150 | | 14 CIN | - | |
| Enrironment Testing Suman (Tradit) socials socials haven the social haven the s | Date/Time | _ | Relinquished by: (Signature | Date/Time | | Received by: (Signature | ignadure) | Relipquished by: (S |
| Europhiling Environment Testing Suman (2013) Socials (automatic transmission) Work Order Not- Islama (2013) Socials (automatic transmission) Work Order Not- Status (2013) Socials (automatic transmission) Work Order Not- Status (2013) Social (automatic transmission) Work Order Not- Status (2013) Socia | | reviously negotiated. | rzed. These terms will be enforced unless pr | to Eurofins Xenco, but not analy | or each sample submitted | each project and a charge of \$5 | harge of \$85.00 will be applied to | Eurofins Xenco. A minimum c |
| Environment Testing Invironment Test | | and conditions | subcontractors. It assigns standard terms a | urofins Xenco, Its affiliates and a | er from client company to E | constitutes a valid purchase ord | ent and relinquishment of samples | otice: Signature of this docume |
| Environment Testing Isrue month Testing Isrue month | /7471 | Hg: 1631 / 245.1 / 7470 | r Co Cu Pb Mn Mo Ni Se | Sb As Ba Be Cd C | PLP 6010 : 8RCRA | | d Metal(s) to be analy | Circle Method(s) an |
| Environment Testing Insurant Transmode Marco Marco </td <td>U V Zn</td> <td>Se Ag SiO₂ Na Sr TI Sn</td> <td>Cr Co Cu Fe Pb</td> <td>As Ba Be B Cd</td> <td>Texas 11</td> <td>- 11 1</td> <td>200.8 / 6020:</td> <td>Total 200.7 / 6010</td> | U V Zn | Se Ag SiO ₂ Na Sr TI Sn | Cr Co Cu Fe Pb | As Ba Be B Cd | Texas 11 | - 11 1 | 200.8 / 6020: | Total 200.7 / 6010 |
| Function Environment Testing Human 1/2013 Jaba 2000 Jaba 1/2013 Jaba 2013 Jaba 2000 Jaba 2013 Jaba 2000 Jab | | | | | | | | |
| Fourier Testing Housen TCB1 J40400 Dalen, TX (210) 904000 Work Order No::: Name: C_45+14-4 Work Order No::: Image: C_45+14-4 Work Order Congany Name: C_45+14-4 Work Order Congany Name: C_45+14-4 Work Order Congany Name: Congan::: Work Order Congan Nume: C_45+14-4 Work Order Congan Work Order Congan Sume: Congan::: Work Order Congan Nume: C_45+14-4 Work Order Congan Congan::: Work Order Congan Sume: Congan::: Congan::: Work Order Congan Congan::: Congan::: Congan::: Work Order Congan Sume::: Congan::: < | | | | | | | | |
| Houten Testing Houten TCBI J40400 Dales, TX (1419)0000 Namage: C_LCP:rt_L March Life Billio: If different C_LCP:rt_L WorkOrder No: | | | | | | | | |
| Environment Testing Houston TX 1281) 240-2000 Houston TX 1281) 240-2000 Work Order No:: Work Order No:: Manager: $\int_{\mathcal{L}} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} L$ | Olrissey Glensou | 1 J | | > | | | | / |
| Environment Testing Houton TX (201) 244-240 Data TX (214) 292-2800 Work Order No:: Inanger: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | • | < | × 1340 | < | Swoh |
| Environment Testing Huanon Tr (281) 246-200. Dales, Tr (1414902-000 Work Order No:: Manage: | 36141001 | | | | | 1935 | | 5004 |
| Environment Testing Housen TV (281) X04-200 Dales, TV (284) 992-2000 Work Order No: Manage: C L D = 1, M = IT15 SEV Billits: If different Colspan="2">Colspan="2">Work Order No: Manage: C L D = 1, M = IT15 SEV Billits: If different Colspan="2">Colspan="2">Work Order No: Manage: C L D = 1, M = IT15 SEV Billits: If different Colspan="2">Colspan="2">Work Order No: Number: C L D = 1, M = IT15 SEV Billits: If different Colspan="2">Colspan="2">Work Order Comments Number: C L S S L G = M M = IT22 Colspan="2">Colspan="2">Colspan="2">Work Order Comments Number: C L S S L G = M M = IT22 Colspan="2">Colspan="2">Work Order Comments Number: C L S S L G = M Colspan="2">Work Order Comments Number: C L S S L G = M Colspan="2">Work Order Comments Number: C S L G = M Corrector Tom Nound M = C Colspan="2">Numeters Mone: NO Dille Colspan="2">Colspan="2" Mone: NO Number: C S L G = M Dille Control of Colspan="2">Nound M = C Colspa= M M = C Colspan= M M = | | C | | | | 1330 | | Swoz |
| Environment Testing Houten TV (281) 244-420. Dates TP (214) 992-800 Work Order No: Manager C 4 2 - 1 4 Marris Statu Renorment Testing Bit to: 11 different C 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | 1230236 557 | NA. | | | | 1325 | | Swor |
| Environment Testing Houton, TX (281) X04-200, Dales, TX (281) X04-200, TX (081) X84-200, TX (081), TX (081) X84-200, TX (081), | deht # | the | | 8. | 046 | 12/23 | | Susol |
| Environment Testing Houton TX (281) 240-420. Dallas, TX (214) 992-0300 Work Order No: Xenco Environment Testing Work Order No: Manager: 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | ample Comments | s | | B | Grab/ Comp | - | Matrix | Sample Identific |
| Environment Testing Houten Tr (281) 240-4200, Dalles, TX (214) 922-0300 Work Order No: Manager: CLD-14 Marini SSEY Bill to: If differenti CLD-15 Manor TX (213) 795-936, Subook, TX (206) 794-126 Work Order No: Monorestance | +Ascorbic Acid: SAPC | NaOH+ | | SK | | Corrected Temperature: | | Total Containers: |
| Environment Testing Hoution, TX (281) 240-4200, Dallas, TX (214) 902-0300 Manager: C 4 L0 +1 4 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Bill to: (If different) C 4 L0 +14 Marris Step Marris Step </td <td>tate+NaOH: Zn</td> <td></td> <td>890-4051</td> <td>1</td> <td></td> <td>femperature Reading:</td> <td>NO N/A</td> <td>Sample Custody Seals:</td> | tate+NaOH: Zn | | 890-4051 | 1 | | femperature Reading: | NO N/A | Sample Custody Seals: |
| Environment Testing Houton, TX (281) 240-4200, Dalas, TX (214) 902-0300 Work Order No: Manager: C_CLP:14 Method, TX (281) 2704-540, San Antonio, TX (210) 599-3334 Work Order No: maxenco.com Page of Manager: C_CLP:14 Method, TX (281) 2704-540, San Antonio, TX (210) 599-3334 Work Order No: maxenco.com Page of Manager: C_CLP:14 Method, TX (280) 784-520, Carbad, Mir(57) 983-399 More No: More No: More No: Page of Manager: C_CLP:14 Method, TX (280) 784-520, Carbad, Mir(57) 983-399 More No: More: No: Mo | O3: NaSO 3 | | | | | orrection Factor: | NOCNIA | Cooler Custody Seals: |
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| Forting Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Accord EL Paso, TX (915) 585-3443, Lubbock, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Work Order No: Constraint Morris Serv Bill to: (If different) Company Name: Company Name: TO State Silve Company Name: TO State of Project: Program: UST/PST PRP Brownfields RRC | Other: | | | | | | 37-257-83 | Phone: |
| Forting Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Work Order No: | | | | | City, State ZIP: | 44220 | 1 | City, State ZIP: |
| For fins Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Midland, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Work Order No: 7 Morris Serv Bill to: (If different) Generation (115) Generation (115) & Assider Company Name: ATTO Program: UST/PST PRP Brownfields RRC | |] | | | Address: | Portes they | | |
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| Eurofins Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Xenco EL Paso, TX (915) 392-7550, Carlsbad, NM (575) 988-3199 Work Order No: Work Order No: | ts | Work Order Commen | Green | Garet | Bill to: (if different) | rissey | | Project Manager: |
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| Curotins Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 | | | TX (806) 794-1296 | ((915) 585-3443, Lubbock, | EL Paso, T | | Xenco | |
| eurofins | | Work Order No: | o, TX (210) 509-3334 | (432) 704-5440, San Antoni | Midland, TX | ient Testing | _ | |
| | | | | TY 17811 740-4700 Dallas | Houston | | ins | eurof |

5 6

13

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4051 List Number: 1 Creator: Clifton, Cloe

| 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 | |

Job Number: 890-4051-1 SDG Number: 03C1558180

14

Job Number: 890-4051-1 SDG Number: 03C1558180

List Source: Eurofins Midland

List Creation: 02/09/23 12:36 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4051 List Number: 2 Creator: Rodriguez, Leticia

| 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 | N/A | |

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 4/13/2023 7:05:29 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/21/2023 3:30:08 PM Revision 1

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558180

JOB NUMBER

890-4079-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.



Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/21/2023 3:30:08 PM Revision 1

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Definitions/Glossary

Client: Ensolum Project/Site: ADU 641 Page 85 of 197

| Job ID: 890-4079-1 | |
|--------------------|--|
| SDG: 03C1558180 | |

| Qualifiers | | 3 |
|----------------------|-------------------------------------------------------------------------------------------------------------|---------|
| GC VOA Qualifier | Qualifier Description | 4 |
| F1 | MS and/or MSD recovery exceeds control limits. | - 1 |
| F2 | MS/MSD RPD exceeds control limits | 5 |
| S1+ | Surrogate recovery exceeds control limits, high biased. | |
| U | Indicates the analyte was analyzed for but not detected. | |
| GC Semi VO | Α | |
| Qualifier | Qualifier Description | |
| S1- | Surrogate recovery exceeds control limits, low biased. | |
| U | Indicates the analyte was analyzed for but not detected. | 8 |
| HPLC/IC Qualifier | Qualifier Description | |
| U | Indicates the analyte was analyzed for but not detected. | 9 |
| 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 | 40 |
| CNF | Contains No Free Liquid | 13 |
| 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) | |

MPNMost Probable NumberMQLMethod Quantitation LimitNCNot 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: ADU 641

Job ID: 890-4079-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4079-1

REVISION

The report being provided is a revision of the original report sent on 2/16/2023. The report (revision 1) is being revised due to Per client email, requesting TPH re run on FS03, FS05, and FS07.

Report revision history

Receipt

The samples were received on 2/9/2023 2:46 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 2.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-4079-1), FS02 (890-4079-2), FS03 (890-4079-3), FS04 (890-4079-4), FS05 (890-4079-5), FS06 (890-4079-6), FS07 (890-4079-7), FS08 (890-4079-8), FS09 (890-4079-9), FS10 (890-4079-10) and FS11 (890-4079-11).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS01 (890-4079-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-46402 and analytical batch 880-46403. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-24753-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS03 (890-4079-3) and FS04 (890-4079-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS08 (890-4079-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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: ADU 641

Sample Depth: 4'

Client Sample ID: FS01 Date Collected: 02/09/23 10:00 Date Received: 02/09/23 14:46

Lab Sample ID: 890-4079-1

Matrix: Solid

5

| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------|
| Benzene | <0.0200 | U | 0.0200 | mg/Kg | | | 02/15/23 05:56 | 1(|
| Foluene | 0.0589 | | 0.0200 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| Ethylbenzene | <0.0200 | U | 0.0200 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| n-Xylene & p-Xylene | <0.0399 | U | 0.0399 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| p-Xylene | <0.0200 | U | 0.0200 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| Kylenes, Total | <0.0399 | U | 0.0399 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| Surrogate | %Recovery | | Limits | | | Prepared | Analyzed | Dil Fa |
| -Bromofluorobenzene (Surr) | 1216 | S1+ | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| ,4-Difluorobenzene (Surr) | 77 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 05:56 | 1 |
| Method: TAL SOP Total BTE | X - Total BTE | X Calculat | ion | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| otal BTEX | 0.0589 | | 0.0399 | mg/Kg | | | 02/15/23 10:05 | |
| Method: SW846 8015 NM - D | iosol Range (| Organice (| | | | | | |
| | ICOCI IVAILLE | UTUALITES 1 | | | | | | |
| | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Analyte | | · · · | | Unit mg/Kg | <u> </u> | Prepared | Analyzed 02/16/23 11:51 | |
| Analyte Fotal TPH | Result 85.8 | Qualifier | RL 49.9 | | <u>D</u> | Prepared | | |
| Analyte Total TPH Method: SW846 8015B NM - | Result 85.8 Diesel Range | Qualifier e Organics | RL 49.9 (DRO) (GC) | mg/Kg | | | 02/16/23 11:51 | |
| Malyte Total TPH Method: SW846 8015B NM - Malyte | Result 85.8 Diesel Range Result | Qualifier e Organics Qualifier | RL 49.9 (DRO) (GC) RL | mg/Kg Unit | D | Prepared | 02/16/23 11:51 Analyzed | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Gasoline Range Organics GRO)-C6-C10 | Result 85.8 Diesel Range | Qualifier e Organics Qualifier | RL 49.9 (DRO) (GC) | mg/Kg | | | 02/16/23 11:51 Analyzed | Dil Fac |
| Analyte Total TPH Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over | Result 85.8 Diesel Range Result | Qualifier e Organics Qualifier | RL 49.9 (DRO) (GC) RL | mg/Kg Unit | | Prepared 02/14/23 12:14 | 02/16/23 11:51 Analyzed | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 85.8 Diesel Range Result <49.9 85.8 | Qualifier Organics Qualifier U | RL 49.9 (DRO) (GC) RL 49.9 49.9 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/15/23 21:04 02/15/23 21:04 | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 85.8 Diesel Range Result <49.9 | Qualifier Organics Qualifier U | RL 49.9 6 (DRO) (GC) RL 49.9 | mg/Kg Unit mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/15/23 21:04 | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate | Result 85.8 Diesel Range Result <49.9 85.8 <49.9 %Recovery | Qualifier Organics Qualifier U | RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 49.9 Limits | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared | 02/16/23 11:51 Analyzed 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 Analyzed | Dil Fa |
| Analyte Total TPH Alethod: SW846 8015B NM - Analyte Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate -Chlorooctane | Result 85.8 Diesel Range Result <49.9 | Qualifier Organics Qualifier U U Qualifier | RL 49.9 G(DRO) (GC) RL 49.9 49.9 49.9 49.9 49.9 70.130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 Analyzed | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) Surrogate -Chlorooctane | Result 85.8 Diesel Range Result <49.9 85.8 <49.9 %Recovery | Qualifier Organics Qualifier U U Qualifier | RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 49.9 Limits | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 Analyzed | Dil Fa |
| Analyte Total TPH Method: SW846 8015B NM - Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane D-Terphenyl | Result 85.8 Diesel Range Result <49.9 | Qualifier Organics Qualifier U U Qualifier | RL 49.9 G(DRO) (GC) RL 49.9 49.9 49.9 49.9 70.130 70.130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | Analyzed 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 | Dil Fa |
| Analyte Fotal TPH Method: SW846 8015B NM - Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane D-Terphenyl Method: EPA 300.0 - Anions, Analyte | Result 85.8 Diesel Range Result <49.9 | Qualifier Organics Qualifier U U Qualifier | RL 49.9 G(DRO) (GC) RL 49.9 49.9 49.9 49.9 70.130 70.130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | Analyzed 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 02/15/23 21:04 | Dil Fac |

Da Conected: Date Received: 02/09/23 14:46 Sample Depth: 4'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 04:34 | 1 |

Job ID: 890-4079-1 SDG: 03C1558180

Client Sample ID: FS02 Date Collected: 02/09/23 10:05

Lab Sample ID: 890-4079-2 Matrix: Solid

Date Received: 02/09/23 14:46 Sample Depth: 4'

Client: Ensolum

Project/Site: ADU 641

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
|-----------------------------------|-------------|------------|------------|-------|---|----------------|--------------------|--------|
| 1,4-Difluorobenzene (Surr) | 111 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 04:34 | |
| | | | | | | | | |
| Method: TAL SOP Total BTEX | | | | 11 | | Duran and | A a la a al | |
| | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/15/23 10:05 | |
| Method: SW846 8015 NM - Die | esel Range | Organics (| DRO) (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/16/23 11:51 | |
| Method: SW846 8015B NM - D | iesel Range | Organics | (DRO) (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:09 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:09 | |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:09 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 73 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 22:09 | |
| o-Terphenyl | 72 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 22:09 | |
| Method: EPA 300.0 - Anions, | on Chroma | tography - | Soluble | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Chloride | 3670 | | 50.5 | mg/Kg | | · | 02/14/23 12:03 | 1 |
| Client Sample ID: FS03 | | | | | | Lab Samp | le ID: 890-4 | 070 (|
| - | | | | | | Lab Samp | | |
| ate Collected: 02/09/23 10:10 | | | | | | | Matrix | : 501 |
| ate Received: 02/09/23 14:46 | | | | | | | | |
| ample Depth: 4' | | | | | | | | |
| Method: SW846 8021B - Volat | ile Organic | Compound | ds (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Benzene | <0.0199 | U | 0.0199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:17 | 1 |
| BollEollo | | | | | | | | |

| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
|-----------------------------|-----------|-----------|----------|-------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 | | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
| Xylenes, Total | <0.0398 | U | 0.0398 | mg/Kg | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
| o-Xylene | <0.0199 | | 0.0199 | mg/Kg | | 02/15/23 06:17 | 10 |
| m-Xylene & p-Xylene | <0.0398 | U | 0.0398 | mg/Kg | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
| Ethylbenzene | <0.0199 | U | 0.0199 | mg/Kg | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
| Toluene | <0.0199 | U | 0.0199 | mg/Kg | 02/13/23 15:28 | 02/15/23 06:17 | 10 |
| Benzene | <0.0199 | U | 0.0199 | mg/Kg | 02/13/23 15:28 | 02/15/23 06:17 | 10 |

| Method: TAL SOP Tota | al BTEX - Total BTE | X Calculati | on | | | | | |
|----------------------|---------------------|-------------|-----------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.0398 | U | 0.0398 | mg/Kg | | | 02/15/23 10:05 | 1 |
| | NM - Diesel Range | Organics (E |)RO) (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 144 | | 49.9 | mg/Kg | | | 02/16/23 11:51 | 1 |

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Released to Imaging: 8/30/2023 11:15:58 AM

Client Sample Results

RL

Unit

D

Prepared

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Dil Fac 1

Job ID: 890-4079-1 SDG: 03C1558180

Client Sample ID: FS03

Client: Ensolum

Analyte

Project/Site: ADU 641

Lab Sample ID: 890-4079-3

Analyzed

Matrix: Solid

| 890-4079-4 |
|---------------|
| Matrix: Solid |
| |
| |

Date Collected: 02/09/23 10:10 Date Received: 02/09/23 14:46 Sample Depth: 4'

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

Result Qualifier

| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:32 | 1 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------|
| Diesel Range Organics (Over C10-C28) | 144 | | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:32 | 1 |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/15/23 22:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 71 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 22:32 | 1 |
| o-Terphenyl | 69 | S1- | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 22:32 | 1 |
| Method: EPA 300.0 - Anions, I | on Chroma | tography · | - Soluble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 2430 | | 24.9 | mg/Kg | | | 02/14/23 12:09 | 5 |
| Client Sample ID: FS04 Date Collected: 02/09/23 10:15 Date Received: 02/09/23 14:46 Sample Depth: 4' | ile Ormenia | 0 | | | | Lab Samp | le ID: 890-4 Matrix | 079-4 :: Solid |
| Method: SW846 8021B - Volat Analyte | | Qualifier | as (GC) RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.0198 | | 0.0198 | mg/Kg | | · · · | 02/15/23 06:37 | 10 |
| Toluene | < 0.0198 | | 0.0198 | mg/Kg | | | 02/15/23 06:37 | 10 |
| Ethylbenzene | < 0.0198 | | 0.0198 | mg/Kg | | | 02/15/23 06:37 | 10 |
| m-Xylene & p-Xylene | <0.0190 | | 0.0396 | mg/Kg | | | 02/15/23 06:37 | 10 |
| o-Xylene | <0.0350 | | 0.0198 | mg/Kg | | | 02/15/23 06:37 | 10 |
| Xylenes, Total | <0.0190 | | 0.0396 | mg/Kg | | | 02/15/23 06:37 | 10 |
| | 0.0000 | 0 | 0.0000 | | | 02/10/20 10:20 | 02,10,20 00.01 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 06:37 | 10 |
| | 95 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 06:37 | 10 |
| 1,4-Difluorobenzene (Surr) | | | | | | | | |
| 1,4-Difluorobenzene (Surr) - Method: TAL SOP Total BTEX | - Total BTE | X Calcula | tion | | | | | |
| | Result | Qualifier | tion RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Method: TAL SOP Total BTEX | | Qualifier | | Unit mg/Kg | D | Prepared | Analyzed 02/15/23 10:05 | Dil Fac |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die | Result <0.0396 | Qualifier U Organics (| RL 0.0396 | | D | Prepared | 02/15/23 10:05 | 1 |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte | Result <0.0396 esel Range Result | Qualifier U | (DRO) (GC) RL | mg/Kg Unit | D | Prepared Prepared | 02/15/23 10:05 Analyzed | |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die | Result <0.0396 | Qualifier U Organics (| (DRO) (GC) | mg/Kg | | | 02/15/23 10:05 | 1 |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte | Result <0.0396 esel Range Result 62.9 | Qualifier U Organics (Qualifier | RL 0.0396 (DRO) (GC) RL 49.8 | mg/Kg Unit | | | 02/15/23 10:05 Analyzed | 1 Dil Fac |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH | Result <0.0396 esel Range Result 62.9 viesel Range | Qualifier U Organics (Qualifier | RL 0.0396 (DRO) (GC) RL 49.8 | mg/Kg Unit | | | 02/15/23 10:05 Analyzed | 1 Dil Fac |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D | Result <0.0396 esel Range Result 62.9 viesel Range | Qualifier U Organics (Qualifier Organics Qualifier | RL 0.0396 (DRO) (GC) RL 49.8 (DRO) (GC) | mg/Kg Unit mg/Kg | D | Prepared | 02/15/23 10:05 Analyzed 02/16/23 11:51 | 1 Dil Fac 1 |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <0.0396 esel Range Result 62.9 biesel Range Result | Qualifier U Organics (Qualifier Organics Qualifier | RL 0.0396 (DRO) (GC) RL 49.8 6 (DRO) (GC) RL | mg/Kg Unit mg/Kg Unit | D | Prepared Prepared 02/14/23 12:14 | 02/15/23 10:05 Analyzed 02/16/23 11:51 Analyzed | 1 Dil Fac 1 Dil Fac |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <0.0396 esel Range Result 62.9 tiesel Range Result <49.8 | Qualifier U Organics (Qualifier Organics Qualifier U | RL 0.0396 (DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 | mg/Kg Unit mg/Kg Unit mg/Kg | D | Prepared Prepared 02/14/23 12:14 02/14/23 12:14 | 02/15/23 10:05 Analyzed 02/16/23 11:51 Analyzed 02/15/23 22:54 | 1 Dil Fac 1 Dil Fac 1 |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <0.0396 esel Range Result 62.9 tiesel Range Result <49.8 62.9 | Qualifier U Organics (Qualifier Organics Qualifier U | RL 0.0396 (DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 | mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg | D | Prepared Prepared 02/14/23 12:14 02/14/23 12:14 | 02/15/23 10:05 Analyzed 02/16/23 11:51 Analyzed 02/15/23 22:54 02/15/23 22:54 | Dil Fac 1 Dil Fac 1 |
| Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <0.0396 | Qualifier U Organics (Qualifier Organics Qualifier U | RL 0.0396 (DRO) (GC) RL 49.8 5 (DRO) (GC) RL 49.8 49.8 49.8 49.8 | mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg | D | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared | 02/15/23 10:05 Analyzed 02/16/23 11:51 Analyzed 02/15/23 22:54 02/15/23 22:54 | 1 Dil Fac 1 Dil Fac 1 1 1 |

| | | Client | t Sample Re | sults | | | | |
|---------------------------------------------------------------------------------------------------------------|-------------|------------------------------------|------------------|-------|---|----------------|------------------------|--------------------|
| Client: Ensolum | | | | | | | Job ID: 890- | -4079-1 |
| Project/Site: ADU 641 | | | | | | | SDG: 03C1 | 558180 |
| Client Sample ID: FS04 Date Collected: 02/09/23 10:15 Date Received: 02/09/23 14:46 Sample Depth: 4' | | | | | | Lab Samp | le ID: 890-4 Matrix | 1079-4 c: Solid |
| Method: EPA 300.0 - Anions, Analyte | | <mark>tography</mark> Qualifier | - Soluble RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 384 | | 5.00 | mg/Kg | | | 02/14/23 12:15 | 1 |
| Client Sample ID: FS05 Date Collected: 02/09/23 10:20 Date Received: 02/09/23 14:46 Sample Depth: 4' | | | | | | Lab Samp | le ID: 890-4 Matrix | 1079-5 (: Solid |
| Method: SW846 8021B - Volat | ile Organic | Compour | ids (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.0199 | U | 0.0199 | mg/Kg | _ | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| Toluene | <0.0199 | U | 0.0199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| Ethylbenzene | <0.0199 | U | 0.0199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| m-Xylene & p-Xylene | <0.0398 | U | 0.0398 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| o-Xylene | <0.0199 | U | 0.0199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| Xylenes, Total | <0.0398 | U | 0.0398 | mg/Kg | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 06:57 | 10 |
| Method: TAL SOP Total BTEX | - Total BTE | X Calcula | tion | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.0398 | | 0.0398 | mg/Kg | | | 02/15/23 10:05 | 1 |
| Method: SW846 8015 NM - Die Analyte | | Organics Qualifier | (DRO) (GC) RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 112 | Quaimer | 50.0 | mg/Kg | | Fiepaieu | 02/16/23 11:51 | 1 |
| Method: SW846 8015B NM - E | | e Organic | s (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 | _ | 02/17/23 09:56 | 02/18/23 18:54 | 1 |
| Diesel Range Organics (Over C10-C28) | 112 | | 50.0 | mg/Kg | | 02/17/23 09:56 | 02/18/23 18:54 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/17/23 09:56 | 02/18/23 18:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 93 | | 70 - 130 | | | 02/17/23 09:56 | 02/18/23 18:54 | 1 |
| o-Terphenyl | 89 | | 70 - 130 | | | 02/17/23 09:56 | 02/18/23 18:54 | 1 |
| Method: EPA 300.0 - Anions, | lon Chroma | tography | - Soluble | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 488 | - | 4.95 | mg/Kg | | | 02/14/23 12:22 | |

Client Sample Results

Client: Ensolum Project/Site: ADU 641

Client Sample ID: FS06 Date Collected: 02/09/23 10:25

Lab Sample ID: 890-4079-6

Matrix: Solid

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| Method: SW846 8021B - Volati Analyte | - | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------|----------------------------------------|-------------------------|----------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------|
| Benzene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| p-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/13/23 15:28 | 02/15/23 04:55 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 130 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 04:55 | |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 04:55 | |
| Method: TAL SOP Total BTEX | - Total BTE | X Calculat | ion | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/15/23 10:05 | |
| Method: SW846 8015 NM - Die | esel Range | Organics (| DRO) (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | 78.4 | | 50.0 | mg/Kg | | | 02/16/23 11:51 | |
| Method: SW846 8015B NM - D | iesel Range | • Organics | (DRO) (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 23:37 | |
| Diesel Range Organics (Over C10-C28) | 78.4 | | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 23:37 | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 23:37 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 89 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 23:37 | |
| o-Terphenyl | 82 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 23:37 | |
| Method: EPA 300.0 - Anions, I | on Chroma | tography - | Soluble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Chloride | 442 | | 4.96 | mg/Kg | | | 02/14/23 12:28 | |
| | | | | | | Lab Carry | | 070 |
| lient Sample ID: FS07 | | | | | | Lap Samp | le ID: 890-4 | 0/9- |
| lient Sample ID: FS07 ate Collected: 02/09/23 10:30 | | | | | | Lab Samp | IE ID: 890-4 Matrix | |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 | | | | | | Lab Samp | | |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' | | | | | | | | |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati | | | • • | Unit | | | Matrix | : Soli |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati Analyte | Result | Qualifier | | Unit | D | Prepared | Matrix Analyzed | :: Soli Dil Fa |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati Analyte Benzene | Result <0.00201 | Qualifier U | RL 0.00201 | mg/Kg | D | Prepared 02/13/23 15:28 | Matrix Analyzed 02/15/23 05:15 | |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati Analyte Benzene Toluene | Result <0.00201 <0.00201 | Qualifier U U | RL 0.00201 0.00201 | mg/Kg mg/Kg | <u>D</u> | Prepared 02/13/23 15:28 02/13/23 15:28 | Matrix <u>Analyzed</u> 02/15/23 05:15 02/15/23 05:15 | Dil Fa |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene | Result <0.00201 | Qualifier U U U | RL 0.00201 0.00201 0.00201 | mg/Kg mg/Kg mg/Kg | <u>D</u> | Prepared 02/13/23 15:28 02/13/23 15:28 02/13/23 15:28 | Matrix <u>Analyzed</u> 02/15/23 05:15 02/15/23 05:15 02/15/23 05:15 | : Soli Dil Fa |
| ate Collected: 02/09/23 10:30 ate Received: 02/09/23 14:46 ample Depth: 4' Method: SW846 8021B - Volati Analyte Benzene Foluene | Result <0.00201 <0.00201 | Qualifier U U U U | RL 0.00201 0.00201 | mg/Kg mg/Kg | <u>D</u> | Prepared 02/13/23 15:28 02/13/23 15:28 02/13/23 15:28 02/13/23 15:28 | Matrix <u>Analyzed</u> 02/15/23 05:15 02/15/23 05:15 | : Soli |

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Dil Fac

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Analyzed

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Job ID: 890-4079-1 SDG: 03C1558180

Lab Sample ID: 890-4079-7

Matrix: Solid

Date Collected: 02/09/23 10:30

Project/Site: ADU 641

Client Sample ID: FS07

Client: Ensolum

| Method: SW846 8021B - Volat | ile Organic | Compoun | ds (GC) (Contin | ued) | | | | |
|---------------------------------------------------------------------------------------------------------------|-------------|----------------------|--------------------------|-------|---|----------------|------------------------|---------|
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 05:15 | 1 |
| Method: TAL SOP Total BTEX | Total BTE | X Calculat | tion | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | < 0.00402 | U | 0.00402 | mg/Kg | | • | 02/15/23 10:05 | |
| | | | | | | | | |
| Method: SW846 8015 NM - Die | | - | | | _ | | | |
| Analyte | | Qualifier | RL | | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/16/23 11:51 | |
| Method: SW846 8015B NM - D | iesel Range | Organics | (DRO) (GC) | | | | | |
| Analyte | • | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/17/23 09:56 | 02/18/23 19:16 | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/17/23 09:56 | 02/18/23 19:16 | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/17/23 09:56 | 02/18/23 19:16 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 92 | | 70 - 130 | | | 02/17/23 09:56 | 02/18/23 19:16 | |
| o-Terphenyl | 95 | | 70 - 130 | | | 02/17/23 09:56 | 02/18/23 19:16 | |
| Method: EPA 300.0 - Anions, I | on Chroma | tography - | Soluble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 406 | | 4.98 | mg/Kg | | | 02/14/23 12:34 | 1 |
| Client Sample ID: FS08 Date Collected: 02/09/23 10:35 Date Received: 02/09/23 14:46 Dample Depth: 4' | | | | | | Lab Samp | le ID: 890-4 Matrix | |
| Method: SW846 8021B - Volat Analyte | • • | Compoun Qualifier | ds (GC) _{RL} | Unit | D | Prepared | Analyzed | Dil Fa |
| Benzene | <0.0200 | | 0.0200 | mg/Kg | | - | 02/15/23 07:18 | 10 |
| Toluene | < 0.0200 | | 0.0200 | mg/Kg | | | 02/15/23 07:18 | 1 |
| Ethylbenzene | <0.0200 | | 0.0200 | mg/Kg | | | 02/15/23 07:18 | 1(|
| | <0.0200 | | 0.0401 | mg/Kg | | 02/13/23 15:28 | | 1(|
| m-Xviene & n-Xviene | | | | | | | | |
| m-Xylene & p-Xylene o-Xylene | <0.0401 | | 0.0200 | mg/Kg | | | 02/15/23 07:18 | 1(|

Xylenes, Total <0.0401 U 0.0401 Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 122 70 - 130 104 70 - 130 1,4-Difluorobenzene (Surr)

| Method: TAL SOP Total BTEX | - Total BTE | X Calculati | on | | | | | |
|---------------------------------|-------------|-------------|--------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | < 0.0401 | U | 0.0401 | mg/Kg | | | 02/15/23 10:05 | 1 |
| Method: SW846 8015 NM - Die | col Pango | Organica (E | | | | | | |
| | - | - · | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/16/23 11:51 | 1 |

mg/Kg

Eurofins Carlsbad

10

10

10

Dil Fac

02/13/23 15:28 02/15/23 07:18

02/13/23 15:28 02/15/23 07:18

02/13/23 15:28 02/15/23 07:18

Analyzed

Prepared

Released to Imaging: 8/30/2023 11:15:58 AM

Client Sample Results

Client: Ensolum Project/Site: ADU 641

Client Sample ID: FS08

Date Collected: 02/09/23 10:35 Date Received: 02/09/23 14:46

Sample Depth: 4'

| Client Sample ID: FS09 Lab Sample ID: S09 Matrix: Solid Date Collected: 02/09/23 10:40 Lab Sample ID: 890-4079-9 Matrix: Solid Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Prepared Analyte Sample Depth: 4' Result Qualifier RL Unit D Prepared Analyzed DII Fac Ethylserzene <0.0200 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Toluene 0.0601 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 mXylene & p-Xylene 0.0637 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate Skecovery Qualifier Limits 0/15/23 17:26 10 Surrogate Skecovery Qualifier Limits 0/15/23 17:26 10 Method: TAL SOP Total BTEX Total BTEX Calculation Analyzed 0/15/23 17:26 10 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) mg/Kg D'16/23 09:26 1 | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|-----------------|--------------|-------|---|----------------|----------------|---------|
| Baseline Range Organics -449.9 | | | - | | | | | | |
| CRED_CSC10 Construction Constructin Construction Construction <th></th> <th></th> <th>-</th> <th>·</th> <th></th> <th> D</th> <th></th> <th></th> <th></th> | | | - | · | | D | | | |
| C10-C29 C28-C28 49.9 U 49.9 mg/kg 02/14/23 12:14 02/16/23 00:20 1 Surrogate %Recovery Qualifier Limits 70.130 02/14/23 12:14 02/16/23 00:20 1 Analyte 0.08 51 70.130 02/14/23 12:14 02/16/23 00:20 1 Analyte Result Qualifier Limits 02/14/23 12:14 02/16/23 00:20 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Unit D Prepared Analyzed DII Fac Chioride 4360 50.0 mg/kg 02/14/23 12:53 10 0 Date Collected: 02/09/23 10:40 Result Qualifier RL Unit D Prepared Analyzed DII Fac Date Collected: 02/09/23 10:40 Result Qualifier RL Unit D Prepared Analyzed DII Fac Bercane <0.0200 | | <49.9 | U | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:20 | 1 |
| Surrogate XRecovery Qualifier Limits Prepared Analyzed Dil Fac 0-Terphenyl 0.08 \$1-70-130 02/14/23 12:14 02/16/23 00:20 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Rt Unit D Prepared Analyzed Dil Fac Chloride 4380 50.0 mg/kg D Prepared Analyzed Dil Fac Chloride 4380 50.0 mg/kg Diffac | | <49.9 | U | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:20 | 1 |
| 1-Chlorooctane 0.3 St. 70.130 002/14/23 12:14 002/16/23 00:20 1 0-Terphenyl 0.08 St. 70.130 002/14/23 12:14 02/16/23 00:20 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed 02/14/23 12:14 02/16/23 00:20 1 Clientide Result Qualifier RL Unit D Prepared Analyzed 02/14/23 12:14 02/14/23 12:14 02/14/23 12:15 01 Date Collected: 02/09/23 10:40 Date Received: 02/09/23 17:26 10 Method: SW846 8021B - Volatile Organics 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate %Re | | <49.9 | U | 49.9 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:20 | 1 |
| o-Terphenyl 0.08 S1- 70.130 02/14/23 12:14 02/16/23 00:20 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed DII Fac 02/14/23 12:53 Chloride 4360 50.0 mg/kg Different Different <thdifferent< th=""> <thdifferent< th=""> <t< td=""><td>Surrogate</td><td>%Recovery</td><td></td><td>Limits</td><td></td><td></td><td>-</td><td></td><td>Dil Fac</td></t<></thdifferent<></thdifferent<> | Surrogate | %Recovery | | Limits | | | - | | Dil Fac |
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Unit D Prepared Analyzed 02/14/23 12:53 Dil Fac 10 Clioride 4360 50.0 mg/Kg D Prepared Analyzed 02/14/23 12:53 Dil Fac 10 Clioride 4360 50.0 mg/Kg Lab Sample 1D: 830-4079-9 Date Collectic 02/09/23 10:40 Lab Sample 1D: 830-4079-9 Matrix: Solid Date Collectic 02/09/23 10:40 Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene -0.0200 0 0.0200 mg/Kg D/15/23 10.46 02/15/23 17.26 10 Toluene 0.0801 0.0200 mg/Kg 02/15/23 10.46 02/15/23 17.26 10 Ethybenzene <0.0200 | 1-Chlorooctane | 0.3 | S1- | 70 - 130 | | | 02/14/23 12:14 | 02/16/23 00:20 | 1 |
| Analyte Result Qualifier RL Unit D Prepared Analyzed DI Fac 02/14/23 12:53 DI Fac 02/14/23 12:53 Client Sample ID: FS09 Date Collected: 02/09/23 10:40 Date Received: 02/09/23 14:46 Sample Depth: 4' Lab Sample ID: 890-4079-9 Matrix: Solid Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed 02/15/23 10:46 DI Fac 02/15/23 10:46 Benzene <0.0200 | o-Terphenyl | 0.08 | S1- | 70 - 130 | | | 02/14/23 12:14 | 02/16/23 00:20 | 1 |
| Chloride 4360 50.0 mg/Kg 02/14/23 12:53 10 Client Sample ID: FS09 Date Collected: 02/09/23 10:40 Date Received: 02/09/23 14:46 Sample Depth: 4' Lab Sample ID: 890-4079-9 Matrix: Solid Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier Unit voltono D Prepared 02/15/23 10:46 Analyzed 02/15/23 10:46 DII Fac 02/15/23 10:46 Benzene -0.0200 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Method: SW846 8021B - Volatile Organic Compounds (GC) mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Matrix: Solid 0.0801 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 mxylene & p.ylene -0.0537 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate %Recovery Qualifier Limits Prepared Analyzed DII Fac 1/4-Drifluorobenzene (Surr) 110 70.130 02/15/23 10:46 02/15/23 17:26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier Limits 0.0401 mg/Kg | Method: EPA 300.0 - Anions, | | | - Soluble | | | | | |
| Client Sample ID: FS09 Date Collected: 02/09/23 10:40 Date Received: 02/09/23 14:46 Sample Depth: 4' Lab Sample ID: 890-4079-9 Matrix: Solid Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Nesult Qualifier RL Unit D Prepared 02/15/23 10:46 Analyzed 02/15/23 10:46 DII Fac 02/15/23 10:46 Benzene <0.0200 | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Date Collected: 02/09/23 10:40 Matrix: Solid Date Received: 02/09/23 14:46 Sample Depth: 4' Analyto Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.0200 | Chloride | 4360 | | 50.0 | mg/Kg | | | 02/14/23 12:53 | 10 |
| Date Received: 02/09/23 14:46 Sample Depth: 4' Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared 02/15/23 10:46 Analyzed 02/15/23 17:26 Dil Fac 10 Toluene 0.0801 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 m-Xylene & p-Xylene 0.0557 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 o-Xylene & p-Xylene 0.0557 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 xylenes, Total 0.0557 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate <0.0200 | Client Sample ID: FS09 | | | | | | Lab Samp | le ID: 890-4 | 079-9 |
| Sample Depth: 4' Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Result 0.0200 Qualifier NL RL Unit Mifkg D 02/15/23 10.46 Analyzed 02/15/23 10.46 Dil Fac 02/15/23 17.26 Dil 10 Benzene -0.0801 0.0200 mg/Kg 02/15/23 10.46 02/15/23 17.26 10 Ethylbenzene -0.0200 U 0.0200 mg/Kg 02/15/23 10.46 02/15/23 17.26 10 o-Xylene -0.0200 U 0.0200 mg/Kg 02/15/23 10.46 02/15/23 17.26 10 o-Xylene -0.0200 U 0.0200 mg/Kg 02/15/23 10.46 02/15/23 17.26 10 Surrogate -5/Recovery Qualifier Limits Prepared Analyzed Dil Fac 1.4-Drifluorobenzene (Surr) 1105 70.130 02/15/23 10.46 02/15/23 17.26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation mg/Kg 02/15/23 10.46 02/15/23 17.26 10 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) mg/Kg 0 | Date Collected: 02/09/23 10:40 | | | | | | | Matrix | : Solid |
| Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Prepared Analyzed Dil Fac 02/15/23 10/46 Dil Fac 02/15/23 10/46 Dil Fac 02/15/23 17/26 Dil Fac 10 Benzene - - 0.0801 0.0200 mg/Kg 0/15/23 10/46 0/15/23 17/26 10 Toluene 0.0801 0.0200 mg/Kg 0/15/23 10/46 0/15/23 17/26 10 m-Xylene & p-Xylene 0.0537 0.0401 mg/Kg 0/15/23 10/46 0/15/23 17/26 10 o-Xylene - 0.0537 0.0401 mg/Kg 0/15/23 10/46 0/15/23 17/26 10 Surrogate %Recovery Qualifier Limits 0/15/23 17/26 10 Surrogate %Recovery Qualifier Limits 0/15/23 10/46 0/15/23 17/26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation 0/14/23 10/146 0/21/6/23 0/146 0/21/6/23 0/146 0/21/6/23 0/146 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) <t< td=""><td>Date Received: 02/09/23 14:46</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | Date Received: 02/09/23 14:46 | | | | | | | | |
| Analyte Result Qualifier RL Unit D Prepared Analyzed Dill Fac Benzene <0.0200 | Sample Depth: 4' | | | | | | | | |
| Benzene <0.0200 U 0.0200 mg/Kg 02/15/23 02/15/23 10:16 02/15/23 17:26 10 Toluene 0.0801 0.0200 mg/Kg 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:46 02/15/23 10:7:26 10 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 10:57 <t< td=""><td>Method: SW846 8021B - Vola</td><td>tile Organic</td><td>Compoun</td><td>ds (GC)</td><td></td><td></td><td></td><td></td><td></td></t<> | Method: SW846 8021B - Vola | tile Organic | Compoun | ds (GC) | | | | | |
| Toluene 0.0801 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Ethylbenzene <0.0200 | Analyte | Result | Qualifier | RL | Unit | D | • | | Dil Fac |
| Ethylbenzene <0.0200 U 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 m-Xylene & p-Xylene 0.0537 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 o-Xylene <0.0200 | Benzene | <0.0200 | U | 0.0200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| m.Xylene & p.Xylene 0.0537 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 o-Xylene <0.0200 | Toluene | 0.0801 | | 0.0200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| o-Xylene <0.0200 U 0.0200 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Xylenes, Total 0.0537 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 110 70 - 130 0.0401 mg/Kg 02/15/23 10:46 02/15/23 17:26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX 0.134 0.0401 mg/Kg D Prepared Analyzed Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 Unit D Prepared Analyzed Dil Fac Gasoline Range Organics Qotal So.0 Unit D Prepared Analyzed Dil Fac | Ethylbenzene | <0.0200 | U | 0.0200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| Xylenes, Total 0.0537 0.0401 mg/kg 02/15/23 10:46 02/15/23 17:26 10 Surrogate +Bromofluorobenzene (Surr) %Recovery 110 Qualifier 105 Limits 70 . 130 Prepared 02/15/23 10:46 Analyzed 02/15/23 17:26 Dil Fac 10 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Total BTEX Result Qualifier 0.134 RL 0.0401 Unit mg/Kg D Prepared 02/16/23 09:26 Analyzed 02/16/23 09:26 Dil Fac 10 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Total TPH Result Qualifier RL 0.00 Unit mg/Kg D Prepared 02/16/23 11:51 Analyzed 02/16/23 09:26 Dil Fac 11 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL 0.00 Unit mg/Kg D Prepared 02/14/23 12:14 Analyzed 02/16/23 00:42 Dil Fac 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02/16/23 00:42 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier (GRO)-C6-C10 RL 00/16/23 00:42 Unit mg/Kg D Prepared 02/14/23 12:14 Analyzed 02/16/23 00:42 Dil Fac 1 Oll Range Organics (Over C28-C36) <50.0 | m-Xylene & p-Xylene | 0.0537 | | 0.0401 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| Surrogate 4-Bromofluorobenzene (Surr) %Recovery 110 Qualifier 105 Limits 70 - 130 Prepared 02/15/23 10:46 Analyzed 02/15/23 17:26 Dil Fac 100 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL 0.134 Unit D Prepared Analyzed 02/15/23 10:46 Dil Fac 02/15/23 17:26 Dil Fac 100 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL 0.0401 Unit D Prepared Analyzed 02/16/23 09:26 Dil Fac 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL mg/Kg Unit D Prepared Analyzed 02/16/23 00:42 Dil Fac 02/16/23 00:42 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL mg/Kg Unit D Prepared Analyzed 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02/16/23 00:42 Dil Fac 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02/16/23 00:42 Dil Fac 02/16/23 00:42 Dil Fac 02/16/23 00:42 Dil Fac 02/14/23 12:14 Dil Fac 02 | o-Xylene | <0.0200 | U | 0.0200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| 4-Bromofluorobenzene (Surr) 110 70 - 130 02/15/23 10:46 02/15/23 17:26 100 1,4-Diffuorobenzene (Surr) 105 70 - 130 02/15/23 10:46 02/15/23 17:26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL 0.0401 02/15/23 10:46 02/15/23 09:26 DI Fac Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed DI Fac Total BTEX 0.134 0.0401 mg/Kg D Prepared Analyzed DI Fac Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed DI Fac Gasoline Range Organics <50.0 | Xylenes, Total | 0.0537 | | 0.0401 | mg/Kg | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| 1,4-Difluorobenzene (Surr) 105 70 - 130 02/15/23 10:46 02/15/23 17:26 10 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX 0.134 0.0401 mg/Kg D Prepared Analyzed Dil Fac Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 | Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Method: TAL SOP Total BTEX - Total BTEX Calculation AnalyteResult QualifierRLUnitDPreparedAnalyzed $02/16/23 09:26$ Dil Fac $02/16/23 09:26$ Total BTEX0.1340.0401mg/KgDPreparedAnalyzed $02/16/23 09:26$ Dil Fac $02/16/23 09:26$ Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) AnalyteResult $0Unit$ QualifierRL $00/16/23 00:42$ Unit $00/16/23 11:51$ DMethod: SW846 8015B NM - Diesel Range Organics (DRO) (GC) AnalyteResult $0Unit$ QualifierRL $00/16/23 11:51$ Dil Fac $02/16/23 11:51$ Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) AnalyteResult $0Unit$ QualifierRL $00/16/23 00:42$ Dil Fac $02/14/23 12:14$ Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) AnalyteResult $0Unit$ QualifierRL $00/16/23 00:42$ Dil Fac $02/14/23 12:14$ Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) AnalyteResult $0Unit$ QualifierRL $00/16/23 00:42$ Dil Fac $02/14/23 12:14$ Method: SW846 8015B NM - Diesel Range Organics (GRO)-C6-C10 Diesel Range Organics (Over $C10-C28$)Via 00/16/23 00:42Dil Fac $02/14/23 12:14$ Dil Fac $02/16/23 00:42$ Maty termStore $00/16/23 00:42$ Store $00/16/23 00:42$ Nu $00/16/23 00:42$ Dil Fac $02/14/23 12:14$ Method: Sw846Solo Ver $00/16/23 00:42$ Store $00/16/23 00:42$ Nu $00/16/23 00:42$ Dil Fac $02/16/23 00:42$ Maty termStore $00/16/23 00:$ | 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacTotal BTEX0.1340.0401mg/KgDPreparedAnalyzedDil FacMethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacTotal TPH<50.0 | 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/15/23 10:46 | 02/15/23 17:26 | 10 |
| Total BTEX 0.134 0.0401 mg/Kg 02/16/23 09:26 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 | Method: TAL SOP Total BTEX | | | tion | | | | | |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 | Analyte | Result | Qualifier | | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 | Total BTEX | 0.134 | | 0.0401 | mg/Kg | | | 02/16/23 09:26 | 1 |
| Total TPH <50.0 U 50.0 mg/Kg 02/16/23 11:51 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 | Method: SW846 8015 NM - Di | esel Range | Organics | (DRO) (GC) | | | | | |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 | Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/16/23 11:51 | 1 |
| Gasoline Range Organics <50.0 U 50.0 mg/Kg 02/14/23 12:14 02/16/23 00:42 1 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 | Method: SW846 8015B NM - I | Diesel Range | • Organics | s (DRO) (GC) | | | | | |
| (GRO)-C6-C10 Diesel Range Organics (Over <50.0 | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 02/14/23 12:14 02/16/23 00:42 1 C10-C28) OII Range Organics (Over C28-C36) <50.0 | | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:42 | 1 |
| Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 02/14/23 12:14 02/16/23 00:42 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 95 70 - 130 70 - 130 02/14/23 12:14 02/16/23 00:42 1 | Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:42 | 1 |
| 1-Chlorooctane 95 70 - 130 02/14/23 12:14 02/16/23 00:42 1 | | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/16/23 00:42 | 1 |
| | Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl 92 70 - 130 02/14/23 12:14 02/16/23 00:42 1 | 1-Chlorooctane | 95 | | 70 - 130 | | | 02/14/23 12:14 | 02/16/23 00:42 | 1 |
| | o-Terphenyl | 92 | | 70 - 130 | | | 02/14/23 12:14 | 02/16/23 00:42 | 1 |

5

Job ID: 890-4079-1 SDG: 03C1558180

| | | Client | t Sample Re | sults | | | | |
|----------------------------------------|------------|------------------------------------|----------------------------|--------|---|---------------------------------------|-----------------|----------|
| Client: Ensolum | | | | | | | Job ID: 890- | -4079-1 |
| Project/Site: ADU 641 | | | | | | | SDG: 03C1 | 558180 |
| Client Sample ID: FS09 | | | | | | Lab Samp | le ID: 890-4 | 1079-9 |
| Date Collected: 02/09/23 10:40 | | | | | | Lab Gamp | | c: Solid |
| Date Received: 02/09/23 14:46 | | | | | | | Iviati 17 | . 30110 |
| Sample Depth: 4' | | | | | | | | |
| - | | | | | | | | |
| Method: EPA 300.0 - Anions, | | - · · | - Soluble | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 1550 | | 24.9 | mg/Kg | | | 02/14/23 12:59 | 5 |
| Client Sample ID: FS10 | | | | | 1 | ab Sample | e ID: 890-40 | 79-10 |
| Date Collected: 02/09/23 13:10 | | | | | | | | c: Solid |
| Date Received: 02/09/23 14:46 | | | | | | | matrix | |
| Sample Depth: 12' | | | | | | | | |
| - | | | | | | | | |
| Method: SW846 8021B - Vola | - | | | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00199 | | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| Toluene | <0.00199 | | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| Ethylbenzene | <0.00199 | | 0.00199 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| m-Xylene & p-Xylene | <0.00398 | | 0.00398 | mg/Kg | | | 02/15/23 05:36 | 1 |
| o-Xylene | <0.00199 | | 0.00199 | mg/Kg | | | 02/15/23 05:36 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 128 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| 1,4-Difluorobenzene (Surr) | 111 | | 70 - 130 | | | 02/13/23 15:28 | 02/15/23 05:36 | 1 |
| _ Method: TAL SOP Total BTEX | | | tion | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | | 0.00398 | mg/Kg | | Troparea | 02/15/23 10:05 | 1 |
| | 0.00000 | • | 0.00000 | | | | 02, 10,20 10100 | |
| Method: SW846 8015 NM - Di | esel Range | Organics | (DRO) (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/16/23 11:51 | 1 |
| Mothod: CM04C 904ED NM | | Ormania | | | | | | |
| Method: SW846 8015B NM - I Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | < | | 50.0 | mg/Kg | | | 02/16/23 01:04 | 1 |
| (GRO)-C6-C10 | ~50.0 | 5 | 50.0 | mg/ixg | | 52/17/20 12.14 | 52/10/20 01.04 | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/16/23 01:04 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/16/23 01:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 86 | | 70 - 130 | | | · · · · · · · · · · · · · · · · · · · | 02/16/23 01:04 | 1 |
| o-Terphenyl | 81 | | 70 - 130 | | | 02/14/23 12:14 | 02/16/23 01:04 | 1 |
| | | | | | | | | |
| | | | | | | | | |
| Method: EPA 300.0 - Anions, Analyte | | <mark>tography</mark> Qualifier | - Soluble _{RL} | Unit | D | Prepared | Analyzed | Dil Fac |

Client Sample Results

Client: Ensolum Project/Site: ADU 641

Client Sample ID: FS11 Date Collected: 02/09/23 13:15 Date Received: 02/09/23 14:46

Sample Depth: 12'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------|----------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Benzene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| o-Xylene | 0.00440 | | 0.00199 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| Xylenes, Total | 0.00440 | | 0.00398 | mg/Kg | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 85 | | 70 - 130 | | | 02/14/23 12:23 | 02/15/23 02:50 | 1 |
| Method: TAL SOP Total BTEX | - Total BTE | X Calculat | tion | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.00440 | | 0.00398 | mg/Kg | | | 02/15/23 09:55 | 1 |
| Method: SW846 8015 NM - Die Analyte | | | | | | | | |
| | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | Result <49.9 | Qualifier | | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 02/16/23 11:51 | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | | D | Prepared | | |
| Total TPH Method: SW846 8015B NM - E | <49.9 Diesel Range | U Organics | 49.9 | mg/Kg | | <u>.</u> | 02/16/23 11:51 | 1 |
| Total TPH Method: SW846 8015B NM - E Analyte | <49.9 Diesel Range Result | U Organics Qualifier | 49.9 6 (DRO) (GC) RL | mg/Kg Unit | D | Prepared | 02/16/23 11:51 Analyzed | 1 Dil Fac |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics | <49.9 Diesel Range | U Organics Qualifier | 49.9 | mg/Kg | | <u>.</u> | 02/16/23 11:51 | 1 |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | <49.9 Diesel Range Result | U Organics Qualifier U | 49.9 6 (DRO) (GC) RL | mg/Kg Unit | | Prepared 02/14/23 12:14 | 02/16/23 11:51 Analyzed | 1 Dil Fac |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | <49.9 Diesel Range Result <49.9 | U Organics Qualifier U U | 49.9 (DRO) (GC) <u>RL</u> 49.9 | unit mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/16/23 01:47 | 1 Dil Fac 1 |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | <49.9 Diesel Range Result <49.9 <49.9 | U Organics Qualifier U U U | 49.9 (DRO) (GC) RL 49.9 49.9 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/16/23 01:47 02/16/23 01:47 | 1 Dil Fac 1 |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | <49.9 Diesel Range Result <49.9 <49.9 <49.9 | U Organics Qualifier U U U | 49.9 (DRO) (GC) RL 49.9 49.9 49.9 49.9 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 Analyzed | 1 Dil Fac 1 1 |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | <49.9 Diesel Range Result <49.9 <49.9 <49.9 <49.9 | U Organics Qualifier U U U | 49.9 (DRO) (GC) RL 49.9 49.9 49.9 49.9 Limits | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | 02/16/23 11:51 Analyzed 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 Analyzed | 1 Dil Fac 1 1 1 Dil Fac |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | <49.9 Diesel Range Result <49.9 <49.9 <49.9 <49.9 %Recovery 86 80 | U Organics Qualifier U U U Qualifier | 49.9 (DRO) (GC) RL 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | Analyzed 02/16/23 11:51 Analyzed 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 | 1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 |
| Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Content of the second state of the second s | U Organics Qualifier U U U Qualifier | 49.9 (DRO) (GC) RL 49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 02/14/23 12:14 Prepared 02/14/23 12:14 | Analyzed 02/16/23 11:51 Analyzed 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 02/16/23 01:47 | 1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 |

Job ID: 890-4079-1 SDG: 03C1558180

Lab Sample ID: 890-4079-11

Matrix: Solid

5

Surrogate Summary

Client: Ensolum Project/Site: ADU 641

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

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

| | | | Perc | ent Surrogate Reco |
|---------------------|------------------------|----------|----------|--------------------|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-24875-A-1-A MS | Matrix Spike | 103 | 89 | |
| 880-24875-A-1-B MSD | Matrix Spike Duplicate | 93 | 84 | |
| 890-4079-1 | FS01 | 75 | 73 | |
| 890-4079-1 MS | FS01 | 89 | 81 | |
| 890-4079-1 MSD | FS01 | 90 | 83 | |
| 890-4079-2 | FS02 | 73 | 72 | |
| 890-4079-3 | FS03 | 71 | 69 S1- | |
| 890-4079-4 | FS04 | 74 | 68 S1- | |
| 890-4079-5 | FS05 | 93 | 89 | |
| 890-4079-6 | FS06 | 89 | 82 | |
| 890-4079-7 | FS07 | 92 | 95 | |

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| Job ID: 890-4079-1 | |
|---------------------|----|
| SDG: 03C1558180 | 2 |
| Prep Type: Total/NA | 3 |
| Limits) | 4 |
| | 5 |
| | 6 |
| | 7 |
| | 8 |
| | 9 |
| | 10 |
| | 11 |
| | 12 |
| | 13 |
| | 14 |
| | |

Job ID: 890-4079-1 SDG: 03C1558180

Prep Type: Total/NA

Project/Site: ADU 641 Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid

| | | | | rcent Surrogate Recovery (Acceptance Limits) | |
|--------------------|------------------------|----------|----------|----------------------------------------------|---|
| | | 1CO1 | OTPH1 | | _ |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | 5 |
| 890-4079-8 | FS08 | 0.3 S1- | 0.08 S1- | | |
| 890-4079-9 | FS09 | 95 | 92 | | C |
| 890-4079-10 | FS10 | 86 | 81 | | 6 |
| 890-4079-11 | FS11 | 86 | 80 | | |
| LCS 880-46316/2-A | Lab Control Sample | 91 | 93 | | |
| LCS 880-46582/2-A | Lab Control Sample | 99 | 105 | | |
| LCSD 880-46316/3-A | Lab Control Sample Dup | 91 | 90 | | 8 |
| LCSD 880-46582/3-A | Lab Control Sample Dup | 98 | 107 | | |
| MB 880-46316/1-A | Method Blank | 94 | 91 | | 9 |
| MB 880-46582/1-A | Method Blank | 97 | 105 | | |
| . | | | | | |
| Surrogate Legend | | | | | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum Project/Site: ADU 641

Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-46 Matrix: Solid Analysis Batch: 46260 | 177/5-A | | | | | | le ID: Methoo Prep Type: To Prep Batch: | otal/NA |
|--------------------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|-----------------------------------------------|---------|
| | MB | MB | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| | MB | MB | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 76 | | 70 - 130 | | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| 1,4-Difluorobenzene (Surr) | 88 | | 70 - 130 | | | 02/13/23 15:05 | 02/14/23 11:06 | 1 |
| Lab Sample ID: MB 880-46 Matrix: Solid Analysis Batch: 46261 | 190/5-A | | | | | | le ID: Method Prep Type: To Prep Batch: | otal/NA |

| | MB | MB | | | | | | |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| | MB | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116 | | 70 - 130 | | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/13/23 15:28 | 02/14/23 23:12 | 1 |

Lab Sample ID: LCS 880-46190/1-A Matrix: Solid Analysis Batch: 46261

| Analysis Batch: 46261 | | | | | | | Prep Batcl | n: 46190 |
|-----------------------|--------|----------|-----------|-------|---|------|------------|-----------------|
| - | Spike | LCS L | LCS | | | | %Rec | |
| Analyte | Added | Result (| Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.09522 | | mg/Kg | | 95 | 70 - 130 | |
| Toluene | 0.100 | 0.09284 | | mg/Kg | | 93 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.09111 | | mg/Kg | | 91 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1908 | | mg/Kg | | 95 | 70 - 130 | |
| o-Xylene | 0.100 | 0.09561 | | mg/Kg | | 96 | 70 - 130 | |
| | 5 1 65 | | | | | | | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

| Lab Sample ID: LCSD 880-46190/2-A | | | C | Client Sa | mple | ID: Lat | Control | | |
|-----------------------------------|-------|--------|-----------|-----------|------|---------|----------|----------|-------|
| Matrix: Solid | | | | | | | Prep Ty | pe: Tot | al/NA |
| Analysis Batch: 46261 | | | | | | | Prep E | Batch: 4 | 46190 |
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1115 | | mg/Kg | | 112 | 70 - 130 | 16 | 35 |

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Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Project/Site: ADU 641

QC Sample Results

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

| Lab Sample ID: LCSD 880-46190/2-A Matrix: Solid Analysis Batch: 46261 | | | C | Client Sa | mple | ID: Lat | Control Prep Ty Prep E | pe: Tot | tal/NA | |
|-----------------------------------------------------------------------------|-------|--------|-----------|-----------|------|---------|------------------------------|---------|--------|--|
| - | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Toluene | 0.100 | 0.1074 | | mg/Kg | | 107 | 70 - 130 | 15 | 35 | |
| Ethylbenzene | 0.100 | 0.1058 | | mg/Kg | | 106 | 70 - 130 | 15 | 35 | |
| m-Xylene & p-Xylene | 0.200 | 0.2205 | | mg/Kg | | 110 | 70 - 130 | 14 | 35 | |
| o-Xylene | 0.100 | 0.1076 | | mg/Kg | | 108 | 70 - 130 | 12 | 35 | |
| I CSD | LCSD | | | | | | | | | |

| | LCSD | LUSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: 890-4062-A-1-E MS Matrix: Solid Analysis Batch: 46261

| Analysis Batch: 46261 | | | | | | | | | Prep Batch: 46190 |
|-----------------------|----------|-----------|-------|---------|-----------|-------|---|------|-------------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | <0.00201 | U | 0.101 | 0.08805 | | mg/Kg | | 87 | 70 - 130 |
| Toluene | <0.00201 | U | 0.101 | 0.08185 | | mg/Kg | | 81 | 70 - 130 |
| Ethylbenzene | <0.00201 | U | 0.101 | 0.07901 | | mg/Kg | | 78 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.202 | 0.1644 | | mg/Kg | | 82 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.101 | 0.08020 | | mg/Kg | | 79 | 70 - 130 |

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 117 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: 890-4062-A-1-F MSD Matrix: Solid Analysis Batch: 46261

| / maryone Batern Herer | | | | | | | | | | | |
|------------------------|----------|-----------|--------|---------|-----------|-------|---|------|----------|-----|-------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00201 | U | 0.0990 | 0.08519 | | mg/Kg | | 86 | 70 - 130 | 3 | 35 |
| Toluene | <0.00201 | U | 0.0990 | 0.07912 | | mg/Kg | | 80 | 70 - 130 | 3 | 35 |
| Ethylbenzene | <0.00201 | U | 0.0990 | 0.07707 | | mg/Kg | | 78 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.198 | 0.1602 | | mg/Kg | | 81 | 70 - 130 | 3 | 35 |
| o-Xylene | <0.00201 | U | 0.0990 | 0.07908 | | mg/Kg | | 79 | 70 - 130 | 1 | 35 |
| | | | | | | | | | | | |

| | MSD | MSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: MB 880-46191/5-A Matrix: Solid Analysis Batch: 46261

| | IVID | | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | _ | 02/13/23 15:34 | 02/14/23 11:36 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:34 | 02/14/23 11:36 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/13/23 15:34 | 02/14/23 11:36 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/13/23 15:34 | 02/14/23 11:36 | 1 |

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≺g 79 70-130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA Prep Batch: 46190

_ _ - · · ·

Prep Type: Total/NA

Prep Batch: 46191

Client Sample ID: Method Blank

_

Project/Site: ADU 641

QC Sample Results

| Lab Sample ID: MB 880-46' Matrix: Solid | 191/5-A | | | | | | | le ID: Method Prep Type: To | |
|--------------------------------------------|-----------|-----------|----------|-----|-------|-------|----------------|--------------------------------|--------|
| Analysis Batch: 46261 | | | | | | | | Prep Batch | |
| Analysis Baton. 40201 | MB | МВ | | | | | | Trop Baton | . 4010 |
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fa |
| o-Xylene | < 0.00200 | U | 0.00200 | | mg/Kg | | 02/13/23 15:34 | 02/14/23 11:36 | |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 02/13/23 15:34 | 02/14/23 11:36 | |
| | МВ | МВ | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | | 02/13/23 15:34 | 02/14/23 11:36 | |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | | | | 02/13/23 15:34 | 02/14/23 11:36 | |
| Lab Sample ID: MB 880-462 | 275/5-A | | | | | | Client Samp | le ID: Method | l Blan |
| Matrix: Solid | | | | | | | | Prep Type: To | |
| Analysis Batch: 46260 | | | | | | | | Prep Batch | |
| | MB | MB | | | | | | | |
| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fa |
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 02/14/23 09:23 | 02/14/23 21:41 | |
| | MB | MB | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 79 | | 70 - 130 | | | | 02/14/23 09:23 | 02/14/23 21:41 | |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 | | | | 02/14/23 09:23 | 02/14/23 21:41 | |
| Lab Sample ID: LCS 880-46 | 6275/1-A | | | | | Clien | t Sample ID: | Lab Control S | Sample |
| Matrix: Solid | | | | | | | | Prep Type: To | |
| Analysis Batch: 46260 | | | | | | | | Prep Batch | |
| | | | Spike | LCS | LCS | | | %Rec | |
| Analvte | | | Added | - | | Init | D %Rec | Limits | |

| | Spike | LCS | LCS | | | | %Rec | |
|------------------------------------------------|-------------------------|------------------------------|-----------|-------------------------|---|-----------------|----------------------------------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.08909 | | mg/Kg | | 89 | 70 - 130 | |
| Toluene | 0.100 | 0.08799 | | mg/Kg | | 88 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.09387 | | mg/Kg | | 94 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2005 | | mg/Kg | | 100 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1086 | | mg/Kg | | 109 | 70 - 130 | |
| Toluene Ethylbenzene m-Xylene & p-Xylene | 0.100 0.100 0.200 | 0.08799 0.09387 0.2005 | | mg/Kg mg/Kg mg/Kg | | 88 94 100 | 70 - 130 70 - 130 70 - 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 113 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: LCSD 880-46275/2-A Matrix: Solid Analysis Batch: 46260

| Analysis Batch: 46260 | | | | | | | Prep E | | 46275 |
|-----------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1073 | | mg/Kg | | 107 | 70 - 130 | 19 | 35 |
| Toluene | 0.100 | 0.1037 | | mg/Kg | | 104 | 70 - 130 | 16 | 35 |
| Ethylbenzene | 0.100 | 0.1056 | | mg/Kg | | 106 | 70 - 130 | 12 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2275 | | mg/Kg | | 114 | 70 - 130 | 13 | 35 |
| o-Xylene | 0.100 | 0.1175 | | mg/Kg | | 117 | 70 - 130 | 8 | 35 |

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Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Job ID: 890-4079-1 SDG: 03C1558180

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Project/Site: ADU 641

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

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-24313-A-4-C MS Matrix: Solid

Analysis Batch: 46260

| Analysis Batch: 46260 | | | | | | | | | | atch: 46275 |
|-----------------------|--------------|-----------|-------|---------|-----------|-------|---|------|----------|-------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | < 0.00200 | U | 0.100 | 0.09069 | | mg/Kg | | 90 | 70 - 130 | |
| Toluene | <0.00200 | U | 0.100 | 0.08947 | | mg/Kg | | 89 | 70 - 130 | |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08980 | | mg/Kg | | 89 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00401 | U | 0.201 | 0.1896 | | mg/Kg | | 94 | 70 - 130 | |
| o-Xylene | <0.00200 | U | 0.100 | 0.09667 | | mg/Kg | | 96 | 70 - 130 | |
| | MS | MS | | | | | | | | |
| • · | A (- | - ···· | | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-24313-A-4-D MSD Matrix: Solid Analysis Batch: 46260

| Analysis Batch: 46260 | | | | | | | | | Prep E | Batch: 4 | |
|-----------------------|----------|-----------|--------|---------|-----------|-------|---|------|----------|----------|-------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00200 | U | 0.0990 | 0.09474 | | mg/Kg | | 96 | 70 - 130 | 4 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.09519 | | mg/Kg | | 96 | 70 - 130 | 6 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0990 | 0.1023 | | mg/Kg | | 103 | 70 - 130 | 13 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.198 | 0.2156 | | mg/Kg | | 109 | 70 - 130 | 13 | 35 |
| o-Xylene | <0.00200 | U | 0.0990 | 0.1100 | | mg/Kg | | 111 | 70 - 130 | 13 | 35 |
| | | | | | | | | | | | |

| | MSD | MSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 |

Lab Sample ID: MB 880-46402/5-A Matrix: Solid Analysis Batch: 46403

| | MB | MB | | | | | | |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| | MB | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 | | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | | | 02/15/23 10:46 | 02/15/23 14:39 | 1 |

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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46402

2/21/2023 (Rev. 1)

QC Sample Results

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCS 880-46402/1-A Matrix: Solid Analysis Batch: 46403 | | | | Clier | nt Sai | nple ID | : Lab Control Sample Prep Type: Total/NA Prep Batch: 46402 |
|----------------------------------------------------------------------------|-------|---------|-----------|-------|--------|---------|------------------------------------------------------------------|
| | Spike | LCS | LCS | | | | %Rec |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | 0.100 | 0.1028 | | mg/Kg | | 103 | 70 - 130 |
| Toluene | 0.100 | 0.1043 | | mg/Kg | | 104 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09552 | | mg/Kg | | 96 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1882 | | mg/Kg | | 94 | 70 - 130 |
| o-Xylene | 0.100 | 0.09407 | | mg/Kg | | 94 | 70 - 130 |
| | | | | | | | |

| | LUS LUS | |
|-----------------------------|---------------------|----------|
| Surrogate | %Recovery Qualifier | · Limits |
| 4-Bromofluorobenzene (Surr) | 89 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 90 | 70 - 130 |

Lab Sample ID: LCSD 880-46402/2-A Matrix: Solid Analysis Batch: 46403

| Analysis Batch: 46403 | | | | | | | Prep E | | 46402 |
|-----------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1056 | | mg/Kg | | 106 | 70 - 130 | 3 | 35 |
| Toluene | 0.100 | 0.09964 | | mg/Kg | | 100 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.08470 | | mg/Kg | | 85 | 70 - 130 | 12 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1622 | | mg/Kg | | 81 | 70 - 130 | 15 | 35 |
| o-Xylene | 0.100 | 0.08187 | | mg/Kg | | 82 | 70 - 130 | 14 | 35 |

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 81 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Lab Sample ID: 880-24753-A-1-A MS Matrix: Solid Analysis Batch: 46403

| Analysis Datch. 40405 | | | | | | | | | гтер Бай | |
|-----------------------|----------|-----------|--------|---------|-----------|-------|---|------|----------|--|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.00198 | U F1 F2 | 0.0998 | 0.1037 | | mg/Kg | | 103 | 70 - 130 | |
| Toluene | <0.00198 | U F1 F2 | 0.0998 | 0.1004 | | mg/Kg | | 101 | 70 - 130 | |
| Ethylbenzene | <0.00198 | U F1 F2 | 0.0998 | 0.08927 | | mg/Kg | | 89 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00396 | U F1 F2 | 0.200 | 0.1742 | | mg/Kg | | 87 | 70 - 130 | |
| o-Xylene | <0.00198 | U F1 F2 | 0.0998 | 0.08656 | | mg/Kg | | 87 | 70 - 130 | |
| | | | | | | | | | | |

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 88 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 |

Lab Sample ID: 880-24753-A-1-B MSD Matrix: Solid alveie Batch: 46403

| Analysis Batch: 46403 | | | | | | | | | Prep E | Batch: 4 | 6402 |
|-----------------------|----------|-----------|-------|--------|-----------|-------|---|------|----------|----------|-------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00198 | U F1 F2 | 0.100 | 0.2406 | F1 F2 | mg/Kg | | 239 | 70 - 130 | 79 | 35 |
| Toluene | <0.00198 | U F1 F2 | 0.100 | 0.2334 | F1 F2 | mg/Kg | | 232 | 70 - 130 | 80 | 35 |
| Ethylbenzene | <0.00198 | U F1 F2 | 0.100 | 0.2034 | F1 F2 | mg/Kg | | 203 | 70 - 130 | 78 | 35 |

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Prep Type: Total/NA

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

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Batch: 46402

Prep Type: Total/NA

Project/Site: ADU 641

QC Sample Results

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

| Lab Sample ID: 880-2475 Matrix: Solid Analysis Batch: 46403 | 3-A-1-B MSD |) | | | | Client S | Samp | le ID: N | latrix Spil Prep Ty Prep E | pe: Tot | al/NA |
|-------------------------------------------------------------------|-------------|-----------|----------|--------|-----------|----------|------|----------|----------------------------------|---------|-------|
| - | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| m-Xylene & p-Xylene | <0.00396 | U F1 F2 | 0.201 | 0.3959 | F1 F2 | mg/Kg | | 197 | 70 - 130 | 78 | 35 |
| o-Xylene | <0.00198 | U F1 F2 | 0.100 | 0.1996 | F1 F2 | mg/Kg | | 199 | 70 - 130 | 79 | 35 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 214 | S1+ | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 238 | S1+ | 70 - 130 | | | | | | | | |

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

| Lab Sample ID: MB 880-46310 Matrix: Solid Analysis Batch: 46351 | | | | | | | le ID: Methoc Prep Type: To Prep Batch: | otal/NA |
|-----------------------------------------------------------------------|--------------|-----------------|----------|-------|---|----------------|-----------------------------------------------|---------|
| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | | 50.0 | mg/Kg | | 02/14/23 12:14 | | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 19:57 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/14/23 12:14 | 02/15/23 19:57 | 1 |
| | МВ | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 19:57 | 1 |
| o-Terphenyl | 91 | | 70 - 130 | | | 02/14/23 12:14 | 02/15/23 19:57 | 1 |

Lab Sample ID: LCS 880-46316/2-A Matrix: Solid Analysis Batch: 46351

| Analysis Batch: 46351 | | | | | | | | Batch: 46316 |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--------------|
| | Spike | LCS | LCS | | | | %Rec | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 867.8 | | mg/Kg | | 87 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 940.4 | | mg/Kg | | 94 | 70 - 130 | |
| C10-C28) | | | | | | | | |

| | LCS | LCS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 91 | | 70 - 130 |
| o-Terphenyl | 93 | | 70 - 130 |

Lab Sample ID: LCSD 880-46316/3-A Matrix: Solid Analysis Batch: 46351

| Analysis Batch: 46351 | | | | | | | Prep E | atch: 4 | 6316 |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|---------|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 875.4 | | mg/Kg | | 88 | 70 - 130 | 1 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 914.6 | | mg/Kg | | 91 | 70 - 130 | 3 | 20 |
| C10-C28) | | | | | | | | | |

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

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QC Sample Results

Job ID: 890-4079-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCSD 880-4 Matrix: Solid | 16316/3-A | | | | | C | Client S | ample | e ID: Lab | Control Samp Prep Type: T | |
|--------------------------------------------|------------|-------------------|-----------|--------------------------|--------|-----------|----------|-------|-------------|------------------------------|--------|
| Analysis Batch: 46351 | | | | | | | | | | Prep Batch | : 4631 |
| | LCSD | 105 | ס | | | | | | | | |
| Surrogate | %Recovery | | | Limits | | | | | | | |
| 1-Chlorooctane | 91 | quu | | 70 - 130 | | | | | | | |
| p-Terphenyl | 90 | | | 70 - 130 | | | | | | | |
| | | | | | | | | | | | |
| Lab Sample ID: 890-4079-1 | MS | | | | | | | | Cli | ent Sample II |): FS0 |
| Matrix: Solid | | | | | | | | | | Prep Type: T | otal/N |
| Analysis Batch: 46351 | | | | | | | | | | Prep Batch | : 4631 |
| | Sample | Sam | ple | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | - | lifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics GRO)-C6-C10 | <49.9 | U | | 1000 | 986.8 | | mg/Kg | | 96 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 85.8 | | | 1000 | 844.4 | | mg/Kg | | 76 | 70 - 130 | |
| | MS | MS | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | |
| 1-Chlorooctane | 89 | | | 70 - 130 | | | | | | | |
| p-Terphenyl | 81 | | | 70 - 130 | | | | | | | |
| | | | | | | | | | | | |
| _ab Sample ID: 890-4079-1 | MSD | | | | | | | | Cli | ent Sample II | |
| Matrix: Solid | | | | | | | | | | Prep Type: T | |
| Analysis Batch: 46351 | . . | _ | | • • | | | | | | Prep Batch | |
| | Sample | | • | Spike | - | MSD | | _ | ~- | %Rec | RP |
| Analyte | Result | | lifier | Added | | Qualifier | Unit | D | | Limits RPI | |
| Gasoline Range Organics GRO)-C6-C10 | <49.9 | U | | 1000 | 911.2 | | mg/Kg | | 89 | 70 - 130 | 8 2 |
| Diesel Range Organics (Over | 85.8 | | | 1000 | 868.9 | | mg/Kg | | 78 | 70 - 130 | 3 2 |
| C10-C28) | | | | | | | 0 0 | | | | |
| | MSD | MSI | , | | | | | | | | |
| Surrogate | %Recovery | | | Limits | | | | | | | |
| 1-Chlorooctane | 90 | Quu | | 70 - 130 | | | | | | | |
| o-Terphenyl | 83 | | | 70 - 130 | | | | | | | |
| | | | | | | | | | | | |
| _ab Sample ID: MB 880-465 | 82/1-A | | | | | | | Cli | ent Sam | ole ID: Metho | d Blan |
| Matrix: Solid | | | | | | | | | | Prep Type: T | otal/N |
| Analysis Batch: 46615 | | | | | | | | | | Prep Batch | : 4658 |
| | | MB | | | | | | | | | |
| Analyte | | | Qualifier | | ۶L | Unit | | | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics (GRO)-C6-C10 | | 50.0 | | |).0 | mg/K | | | | 02/18/23 08:39 | |
| Diesel Range Organics (Over C10-C28) | | 50.0 | | |).0 | mg/K | - | | | 02/18/23 08:39 | |
| Oll Range Organics (Over C28-C36) | < | 50.0 | U | 50 |).0 | mg/K | g | 02/ | 17/23 09:56 | 02/18/23 08:39 | |
| | | MB | MB | | | | | | | | |
| | | | <u> </u> | | | | | | Dronorod | Analyzad | |
| Surrogate | %Reco | very | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fa |
| Surrogate 1-Chlorooctane | %Reco | very 97 | Qualifier | Limits 70 - 13 | | | | | • | 02/18/23 08:39 | DIIFa |

QC Sample Results

5

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCS 880- Matrix: Solid | -46582/2-A | | | | | Clier | nt Sar | nple ID | : Lab Cor Prep Ty | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|---------------------------------------------|-----------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
| Analysis Batch: 46615 | | | | | | | | | Prep E | atch: 4 | 1658 2 |
| | | | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 824.1 | | mg/Kg | | 82 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 968.2 | | mg/Kg | | 97 | 70 - 130 | | |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | - <u></u> | duamor | 70 - 130 | | | | | | | | |
| o-Terphenyl | 105 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: LCSD 88 | 0-46582/3-A | | | | c | lient Sa | mple | ID: Lab | Control | Sample | e Du |
| Matrix: Solid | | | | | | | | | Prep Ty | pe: Tot | al/N |
| Analysis Batch: 46615 | | | | | | | | | Prep E | Batch: 4 | 4 <mark>65</mark> 8 |
| | | | Spike | LCSD | LCSD | | | | %Rec | | RP |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Lin |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 799.6 | | mg/Kg | | 80 | 70 - 130 | 3 | 2 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1012 | | mg/Kg | | 101 | 70 - 130 | 4 | : |
| | LCSD | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| | | | | | | | | | | | |
| | 98 | | 70 - 130 | | | | | | | | |
| | 98 107 | | 70 - 130 70 - 130 | | | | | | | | |
| ^{o-Terphenyl} Lab Sample ID: 880-2487 Matrix: Solid | 107 | | | | | | CI | ient Sa | mple ID: Prep Ty Prep F | pe: Tot | al/N |
| ^{o-Terphenyl} Lab Sample ID: 880-2487 Matrix: Solid | 107 ' 5-A-1-A MS | Sample | 70 - 130 | MS | MS | | CI | ient Sa | Prep Ty Prep E | | al/N |
| o- <i>Terphenyl</i> Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 | 107 2 5-A-1-A MS Sample | Sample Qualifier | 70 - 130 Spike | | MS Qualifier | Unit | | | Prep Ty Prep E %Rec | pe: Tot | al/N |
| o- <i>Terphenyl</i> Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics | 107 2 5-A-1-A MS Sample | Qualifier | 70 - 130 | | MS Qualifier | Unit mg/Kg | CI | ient Sa <u>%Rec</u> 93 | Prep Ty Prep E | pe: Tot | al/N |
| p- <i>Terphenyl</i> Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 107 2 <mark>5-A-1-A MS</mark> Sample Result | Qualifier | 70 - 130 Spike Added | Result | | | | %Rec | Prep Ty Prep E %Rec Limits | pe: Tot | al/N |
| o- <i>Terphenyl</i> Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 107 5-A-1-A MS Sample <u>Result</u> <49.9 61.4 | Qualifier U | 70 - 130 Spike Added 1000 | Result 934.5 | | mg/Kg | | %Rec 93 | Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot | al/N |
| D- <i>Terphenyl</i> Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 107 5-A-1-A MS Sample Result 61.4 MS | Qualifier U | 70 - 130 Spike Added 1000 | Result 934.5 | | mg/Kg | | %Rec 93 | Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot | al/N |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate | 107 5-A-1-A MS Sample Result <49.9 61.4 <i>MS</i> | Qualifier U | 70 - 130 Spike Added 1000 1000 | Result 934.5 | | mg/Kg | | %Rec 93 | Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot | al/N |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 | Qualifier U | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 | Result 934.5 | | mg/Kg | | %Rec 93 | Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot | al/N |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane | 107 5-A-1-A MS Sample Result <49.9 61.4 <i>MS</i> | Qualifier U | 70 - 130 Spike Added 1000 1000 | Result 934.5 | | mg/Kg | | %Rec 93 | Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot | al/N |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 | Qualifier U MS Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 | Result 934.5 | | mg/Kg mg/Kg | <u>D</u> | %Rec 93 89 | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 | pe: Tot Batch: 4 | al/N 4658 |
| De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD | Qualifier U MS Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 | Result 934.5 952.5 | Qualifier | mg/Kg mg/Kg | <u>D</u> | %Rec 93 89 | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 | pe: Tot Batch: 4 | al/N 4658 al/N 4658 |
| De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample | Qualifier U MS Qualifier Sample | 70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130 70 - 130 | Result 934.5 952.5 MSD | Qualifier | mg/Kg mg/Kg Client \$ | D Samp | <u>%Rec</u> 93 89 Ie ID: N | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 | ke Dup pe: Tot 3atch: 4 | al/N 4658 al/N 4658 RP |
| De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane De-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample Result | Qualifier U MS Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 1000 50 - 130 70 - 130 70 - 130 Spike Added | Result 934.5 952.5 MSD Result | Qualifier | mg/Kg mg/Kg Client S | <u>D</u> | <u>%Rec</u> 93 89 Ie ID: N | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 | ke Dup pe: Tot 3atch: 4 pe: Tot 3atch: 4 | al/N 4658 al/N 4658 RP |
| b-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane b-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample Result <49.9 | Qualifier U MS Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 1000 | Result 934.5 952.5 MSD Result 892.6 | Qualifier | mg/Kg mg/Kg Client S Unit mg/Kg | _ D | %Rec 93 89 le ID: N %Rec 89 | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Prep Ty Prep E %Rec Limits 70 - 130 | ke Dup pe: Tot Jatch: 4 pe: Tot Jatch: 4 <u>RPD</u> 5 | ai/N 4658 |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample Result | Qualifier U MS Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 1000 50 - 130 70 - 130 70 - 130 Spike Added | Result 934.5 952.5 MSD Result | Qualifier | mg/Kg mg/Kg Client S | _ D | <u>%Rec</u> 93 89 Ie ID: N | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 | ke Dup pe: Tot 3atch: 4 pe: Tot 3atch: 4 | al/N 4658 |
| o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample Result <49.9 61.4 | Qualifier U MS Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 1000 | Result 934.5 952.5 MSD Result 892.6 | Qualifier | mg/Kg mg/Kg Client S Unit mg/Kg | _ D | %Rec 93 89 le ID: N %Rec 89 | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Prep Ty Prep E %Rec Limits 70 - 130 | ke Dup pe: Tot Jatch: 4 pe: Tot Jatch: 4 <u>RPD</u> 5 | licat al/N. 4658 Licat al/N. 4658 RP Lim 2 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-2487 Matrix: Solid Analysis Batch: 46615 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate | 107 5-A-1-A MS Sample Result <49.9 61.4 MS %Recovery 103 89 5-A-1-B MSD Sample Result <49.9 61.4 | Qualifier U MS Qualifier Qualifier U MSD | 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 1000 | Result 934.5 952.5 MSD Result 892.6 | Qualifier | mg/Kg mg/Kg Client S Unit mg/Kg | _ D | %Rec 93 89 le ID: N %Rec 89 | Prep Ty Prep E %Rec Limits 70 - 130 70 - 130 70 - 130 Prep Ty Prep E %Rec Limits 70 - 130 | ke Dup pe: Tot Jatch: 4 pe: Tot Jatch: 4 <u>RPD</u> 5 | al/N. 4658 |

7

Client: Ensolum Job ID: 890-4079-1 SDG: 03C1558180 Project/Site: ADU 641 Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Lab Sample ID: 880-24875-A-1-B MSD **Client Sample ID: Matrix Spike Duplicate** Matrix: Solid Prep Type: Total/NA Analysis Batch: 46615 Prep Batch: 46582 MSD MSD Surrogate %Recovery Qualifier Limits o-Terphenyl 84 70 - 130 Method: 300.0 - Anions, Ion Chromatography Lab Sample ID: MB 880-46173/1-A **Client Sample ID: Method Blank** Matrix: Solid **Prep Type: Soluble** Analysis Batch: 46197 MB MB Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 02/14/23 10:49 mg/Kg 1 Lab Sample ID: LCS 880-46173/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble** Analysis Batch: 46197 Spike LCS LCS %Rec Added Limits Result Qualifier Analyte Unit D %Rec 250 Chloride 240.4 mg/Kg 96 90 - 110 Lab Sample ID: LCSD 880-46173/3-A **Client Sample ID: Lab Control Sample Dup** Matrix: Solid **Prep Type: Soluble** Analysis Batch: 46197 LCSD LCSD RPD Spike %Rec Added Analyte **Result Qualifier** Unit D %Rec Limits RPD Limit Chloride 250 232.8 93 90 - 110 20 mg/Kg 3 Lab Sample ID: 890-4079-7 MS **Client Sample ID: FS07** Matrix: Solid Prep Type: Soluble Analysis Batch: 46197 MS MS Sample Sample Spike %Rec Analyte **Result Qualifier** Added **Result Qualifier** Unit D %Rec Limits Chloride 406 249 673.4 mg/Kg 107 90 - 110 Lab Sample ID: 890-4079-7 MSD **Client Sample ID: FS07** Matrix: Solid **Prep Type: Soluble** Analysis Batch: 46197 MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added **Result Qualifier** Unit D %Rec Limits RPD Limit Chloride 406 249 675.7 mg/Kg 108 90 - 110 0 20

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Released to Imaging: 8/30/2023 11:15:58 AM

QC Association Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4079-1 SDG: 03C1558180

GC VOA

46177

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| MB 880-46177/5-A | Method Blank | Total/NA | Solid | 5035 | |
| rep Batch: 46190 | | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 890-4079-1 | FS01 | Total/NA | Solid | 5035 | |
| 890-4079-2 | FS02 | Total/NA | Solid | 5035 | |
| 890-4079-3 | FS03 | Total/NA | Solid | 5035 | |
| 890-4079-4 | FS04 | Total/NA | Solid | 5035 | |
| 890-4079-5 | FS05 | Total/NA | Solid | 5035 | |
| 890-4079-6 | FS06 | Total/NA | Solid | 5035 | |
| 890-4079-7 | FS07 | Total/NA | Solid | 5035 | |
| 890-4079-8 | FS08 | Total/NA | Solid | 5035 | |
| 890-4079-10 | FS10 | Total/NA | Solid | 5035 | |
| MB 880-46190/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46190/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46190/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-4062-A-1-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-4062-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Prep Batch: 46191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-46191/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 46260

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-11 | FS11 | Total/NA | Solid | 8021B | 46275 |
| MB 880-46177/5-A | Method Blank | Total/NA | Solid | 8021B | 46177 |
| MB 880-46275/5-A | Method Blank | Total/NA | Solid | 8021B | 46275 |
| LCS 880-46275/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 46275 |
| LCSD 880-46275/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46275 |
| 880-24313-A-4-C MS | Matrix Spike | Total/NA | Solid | 8021B | 46275 |
| 880-24313-A-4-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46275 |

Analysis Batch: 46261

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-1 | FS01 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-2 | FS02 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-3 | FS03 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-4 | FS04 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-5 | FS05 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-6 | FS06 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-7 | FS07 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-8 | FS08 | Total/NA | Solid | 8021B | 46190 |
| 890-4079-10 | FS10 | Total/NA | Solid | 8021B | 46190 |
| MB 880-46190/5-A | Method Blank | Total/NA | Solid | 8021B | 46190 |
| MB 880-46191/5-A | Method Blank | Total/NA | Solid | 8021B | 46191 |
| LCS 880-46190/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 46190 |
| LCSD 880-46190/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46190 |
| 890-4062-A-1-E MS | Matrix Spike | Total/NA | Solid | 8021B | 46190 |
| 890-4062-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46190 |

QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC VOA

Prep Batch: 46275

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-11 | FS11 | Total/NA | Solid | 5035 | |
| MB 880-46275/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46275/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46275/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-24313-A-4-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24313-A-4-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 46386

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4079-1 | FS01 | Total/NA | Solid | Total BTEX | |
| 890-4079-2 | FS02 | Total/NA | Solid | Total BTEX | |
| 890-4079-3 | FS03 | Total/NA | Solid | Total BTEX | |
| 890-4079-4 | FS04 | Total/NA | Solid | Total BTEX | |
| 890-4079-5 | FS05 | Total/NA | Solid | Total BTEX | |
| 890-4079-6 | FS06 | Total/NA | Solid | Total BTEX | |
| 890-4079-7 | FS07 | Total/NA | Solid | Total BTEX | |
| 890-4079-8 | FS08 | Total/NA | Solid | Total BTEX | |
| 890-4079-9 | FS09 | Total/NA | Solid | Total BTEX | 4 |
| 890-4079-10 | FS10 | Total/NA | Solid | Total BTEX | |
| 890-4079-11 | FS11 | Total/NA | Solid | Total BTEX | |

Prep Batch: 46402

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-9 | FS09 | Total/NA | Solid | 5035 | |
| MB 880-46402/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-46402/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-46402/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-24753-A-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-24753-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 46403

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-9 | FS09 | Total/NA | Solid | 8021B | 46402 |
| MB 880-46402/5-A | Method Blank | Total/NA | Solid | 8021B | 46402 |
| LCS 880-46402/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 46402 |
| LCSD 880-46402/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46402 |
| 880-24753-A-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 46402 |
| 880-24753-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46402 |

GC Semi VOA

Prep Batch: 46316

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-4079-1 | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-2 | FS02 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-3 | FS03 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-4 | FS04 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-6 | FS06 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-8 | FS08 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-9 | FS09 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-10 | FS10 | Total/NA | Solid | 8015NM Prep | |

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Job ID: 890-4079-1 SDG: 03C1558180
QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC Semi VOA (Continued)

Prep Batch: 46316 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-4079-11 | FS11 | Total/NA | Solid | 8015NM Prep | |
| MB 880-46316/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-46316/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-46316/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4079-1 MS | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-1 MSD | FS01 | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 46351

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch | |
|--------------------|------------------------|-----------|--------|----------|------------|--|
| 890-4079-1 | FS01 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-2 | FS02 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-3 | FS03 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-4 | FS04 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-6 | FS06 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-8 | FS08 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-9 | FS09 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-10 | FS10 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-11 | FS11 | Total/NA | Solid | 8015B NM | 46316 | |
| MB 880-46316/1-A | Method Blank | Total/NA | Solid | 8015B NM | 46316 | |
| LCS 880-46316/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 46316 | |
| LCSD 880-46316/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-1 MS | FS01 | Total/NA | Solid | 8015B NM | 46316 | |
| 890-4079-1 MSD | FS01 | Total/NA | Solid | 8015B NM | 46316 | |

Analysis Batch: 46522

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4079-1 | FS01 | Total/NA | Solid | 8015 NM | |
| 890-4079-2 | FS02 | Total/NA | Solid | 8015 NM | |
| 890-4079-3 | FS03 | Total/NA | Solid | 8015 NM | |
| 890-4079-4 | FS04 | Total/NA | Solid | 8015 NM | |
| 890-4079-5 | FS05 | Total/NA | Solid | 8015 NM | |
| 890-4079-6 | FS06 | Total/NA | Solid | 8015 NM | |
| 890-4079-7 | FS07 | Total/NA | Solid | 8015 NM | |
| 890-4079-8 | FS08 | Total/NA | Solid | 8015 NM | |
| 890-4079-9 | FS09 | Total/NA | Solid | 8015 NM | |
| 890-4079-10 | FS10 | Total/NA | Solid | 8015 NM | |
| 890-4079-11 | FS11 | Total/NA | Solid | 8015 NM | |

Prep Batch: 46582

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-4079-5 | FS05 | Total/NA | Solid | 8015NM Prep | |
| 890-4079-7 | FS07 | Total/NA | Solid | 8015NM Prep | |
| MB 880-46582/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-46582/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| _CSD 880-46582/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-24875-A-1-A MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-24875-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 46615

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-4079-5 | FS05 | Total/NA | Solid | 8015B NM | 46582 |

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Job ID: 890-4079-1 SDG: 03C1558180

QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC Semi VOA (Continued)

Analysis Batch: 46615 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-4079-7 | FS07 | Total/NA | Solid | 8015B NM | 46582 |
| MB 880-46582/1-A | Method Blank | Total/NA | Solid | 8015B NM | 46582 |
| LCS 880-46582/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 46582 |
| LCSD 880-46582/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 46582 |
| 880-24875-A-1-A MS | Matrix Spike | Total/NA | Solid | 8015B NM | 46582 |
| 880-24875-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 46582 |

HPLC/IC

Leach Batch: 46173

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4079-1 | FS01 | Soluble | Solid | DI Leach | |
| 890-4079-2 | FS02 | Soluble | Solid | DI Leach | |
| 890-4079-3 | FS03 | Soluble | Solid | DI Leach | |
| 890-4079-4 | FS04 | Soluble | Solid | DI Leach | |
| 890-4079-5 | FS05 | Soluble | Solid | DI Leach | |
| 890-4079-6 | FS06 | Soluble | Solid | DI Leach | |
| 890-4079-7 | FS07 | Soluble | Solid | DI Leach | |
| 890-4079-8 | FS08 | Soluble | Solid | DI Leach | |
| 890-4079-9 | FS09 | Soluble | Solid | DI Leach | |
| 890-4079-10 | FS10 | Soluble | Solid | DI Leach | |
| 890-4079-11 | FS11 | Soluble | Solid | DI Leach | |
| MB 880-46173/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-46173/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-46173/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-4079-7 MS | FS07 | Soluble | Solid | DI Leach | |
| 890-4079-7 MSD | FS07 | Soluble | Solid | DI Leach | |

Analysis Batch: 46197

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4079-1 | FS01 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-2 | FS02 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-3 | FS03 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-4 | FS04 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-5 | FS05 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-6 | FS06 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-7 | FS07 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-8 | FS08 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-9 | FS09 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-10 | FS10 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-11 | FS11 | Soluble | Solid | 300.0 | 46173 |
| MB 880-46173/1-A | Method Blank | Soluble | Solid | 300.0 | 46173 |
| LCS 880-46173/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 46173 |
| LCSD 880-46173/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 46173 |
| 890-4079-7 MS | FS07 | Soluble | Solid | 300.0 | 46173 |
| 890-4079-7 MSD | FS07 | Soluble | Solid | 300.0 | 46173 |

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Job ID: 890-4079-1 SDG: 03C1558180

Job ID: 890-4079-1 SDG: 03C1558180

Matrix: Solid

Lab Sample ID: 890-4079-1

Client Sample ID: FS01 Date Collected: 02/09/23 10:00 Date Received: 02/09/23 14:46

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46261 | 02/15/23 05:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 21:04 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 46197 | 02/14/23 11:45 | СН | EET MID |

Lab Sample ID: 890-4079-2 Matrix: Solid

Lab Sample ID: 890-4079-3

Lab Sample ID: 890-4079-4

Matrix: Solid

Client Sample ID: FS02 Date Collected: 02/09/23 10:05 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|--|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab | |
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID | |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46261 | 02/15/23 04:34 | MNR | EET MID | |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID | |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID | |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID | |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 22:09 | SM | EET MID | |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID | |
| Soluble | Analysis | 300.0 | | 10 | | | 46197 | 02/14/23 12:03 | СН | EET MID | |

Client Sample ID: FS03 Date Collected: 02/09/23 10:10 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46261 | 02/15/23 06:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 22:32 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46197 | 02/14/23 12:09 | СН | EET MID |

Client Sample ID: FS04 Date Collected: 02/09/23 10:15 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46261 | 02/15/23 06:37 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |

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Matrix: Solid

5

Client: Ensolum Project/Site: ADU 641

Client Sample ID: FS04 Date Collected: 02/09/23 10:15 Date Received: 02/09/23 14:46

| Prep Type Total/NA | Batch Type Analysis | Batch Method 8015 NM | Run | Dil Factor | Initial Amount | Final Amount | Batch Number 46522 | Prepared or Analyzed 02/16/23 11:51 | Analyst SM | Lab EET MID |
|------------------------------|---------------------------|----------------------------|-----|---------------|-------------------|-----------------|--------------------------|-------------------------------------------|---------------|--------------------|
| Total/NA Total/NA | Prep Analysis | 8015NM Prep 8015B NM | | 1 | 10.04 g 1 uL | 10 mL 1 uL | 46316 46351 | 02/14/23 12:14 02/15/23 22:54 | | EET MID EET MID |
| Soluble Soluble | Leach Analysis | DI Leach 300.0 | | 1 | 5 g | 50 mL | 46173 46197 | 02/13/23 16:20 02/14/23 12:15 | | EET MID EET MID |

Client Sample ID: FS05 Date Collected: 02/09/23 10:20 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46261 | 02/15/23 06:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 46582 | 02/17/23 09:56 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46615 | 02/18/23 18:54 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 46197 | 02/14/23 12:22 | CH | EET MID |

Client Sample ID: FS06

Date Collected: 02/09/23 10:25 Date Received: 02/09/23 14:46

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46261 | 02/15/23 04:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/15/23 23:37 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 46197 | 02/14/23 12:28 | CH | EET MID |

Client Sample ID: FS07 Date Collected: 02/09/23 10:30 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|----------------------|------------------|-------------------------|-----|--------|-----------------|---------------|----------------|----------------------------------|---------|--------------------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46261 | 02/15/23 05:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA Total/NA | Prep Analysis | 8015NM Prep 8015B NM | | 1 | 10.01 g 1 uL | 10 mL 1 uL | 46582 46615 | 02/17/23 09:56 02/18/23 19:16 | | EET MID EET MID |

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Job ID: 890-4079-1 SDG: 03C1558180

Lab Sample ID: 890-4079-4

Lab Sample ID: 890-4079-5

Lab Sample ID: 890-4079-6

Lab Sample ID: 890-4079-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

2/21/2023 (Rev. 1)

Job ID: 890-4079-1 SDG: 03C1558180

Lab Sample ID: 890-4079-7

Project/Site: ADU 641 Client Sample ID: FS07

Client: Ensolum

Date Collected: 02/09/23 10:30 Date Received: 02/09/23 14:46

| Ргер Туре | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|-------------------------|---------|---------|
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 46197 | 02/14/23 12:34 | СН | EET MID |

Client Sample ID: FS08 Date Collected: 02/09/23 10:35 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46261 | 02/15/23 07:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/16/23 00:20 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 46197 | 02/14/23 12:53 | СН | EET MID |

Client Sample ID: FS09 Date Collected: 02/09/23 10:40 Date Received: 02/09/23 14:46

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 46402 | 02/15/23 10:46 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 10 | 5 mL | 5 mL | 46403 | 02/15/23 17:26 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/16/23 09:26 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/16/23 00:42 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46197 | 02/14/23 12:59 | СН | EET MID |

Client Sample ID: FS10 Date Collected: 02/09/23 13:10 Date Received: 02/09/23 14:46

Lab Sample ID: 890-4079-10 Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 46190 | 02/13/23 15:28 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46261 | 02/15/23 05:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 46386 | 02/15/23 10:05 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 46522 | 02/16/23 11:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 46316 | 02/14/23 12:14 | SM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46351 | 02/16/23 01:04 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 46173 | 02/13/23 16:20 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46197 | 02/14/23 13:17 | CH | EET MID |

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Prepared or Analyzed 02/13/23 16:20 02/14/23 12:34 CH EET MID EET MID Lab Sample ID: 890-4079-8 Matrix: Solid Prepared or Analyzed Analyst Lab

Matrix: Solid

Lab Sample ID: 890-4079-9 Matrix: Solid

Released to Imaging: 8/30/2023 11:15:58 AM

Initial

Amount

5.02 g

5 mL

10.03 g

1 uL

5.01 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Dil

1

1

1

1

10

Factor

Run

Client: Ensolum Project/Site: ADU 641

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Client Sample ID: FS11 Date Collected: 02/09/23 13:15 Date Received: 02/09/23 14:46

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Job ID: 890-4079-1 SDG: 03C1558180

Lab Sample ID: 890-4079-11

Matrix: Solid

| | | | | 4 |
|--------|----------------|---------|---------|----|
| Batch | Prepared | | | |
| Number | or Analyzed | Analyst | Lab | 5 |
| 46275 | 02/14/23 12:23 | MNR | EET MID | |
| 46260 | 02/15/23 02:50 | MNR | EET MID | 6 |
| 46386 | 02/15/23 09:55 | AJ | EET MID | |
| 46522 | 02/16/23 11:51 | SM | EET MID | 7 |
| 46316 | 02/14/23 12:14 | SM | EET MID | • |
| 46351 | 02/16/23 01:47 | SM | EET MID | 0 |
| 46173 | 02/13/23 16:20 | KS | EET MID | 9 |
| 46197 | 02/14/23 13:23 | СН | EET MID | ອ |
| | | | | 10 |
| | | | | 11 |

Laboratory References:

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

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Released to Imaging: 8/30/2023 11:15:58 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4079-1

SDG: 03C1558180

Laboratory: Eurofins Midland

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

| Authority Texas | | ogram ELAP | Identificati T10470440 | ion Number)0-22-25 | Expiration Date 06-30-23 |
|------------------------------------------|-------------------------------------|------------------------------|----------------------------|------------------------|------------------------------------------|
| The following analytes | s are included in this repo | ort, but the laboratory is r | ot certified by the govern | ning authority. | This list may include analytes for which |
| the agency does not o | offer certification. | | | | |
| the agency does not o Analysis Method | offer certification. Prep Method | Matrix | Analyte | | |
| 8 , | | Matrix Solid | Analyte Total TPH | | |

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Method Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4079-1 SDG: 03C1558180

| 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: ADU 641

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-4079-1 | FS01 | Solid | 02/09/23 10:00 | 02/09/23 14:46 | 4' |
| 890-4079-2 | FS02 | Solid | 02/09/23 10:05 | 02/09/23 14:46 | 4' |
| 890-4079-3 | FS03 | Solid | 02/09/23 10:10 | 02/09/23 14:46 | 4' |
| 890-4079-4 | FS04 | Solid | 02/09/23 10:15 | 02/09/23 14:46 | 4' |
| 890-4079-5 | FS05 | Solid | 02/09/23 10:20 | 02/09/23 14:46 | 4' |
| 890-4079-6 | FS06 | Solid | 02/09/23 10:25 | 02/09/23 14:46 | 4' |
| 890-4079-7 | FS07 | Solid | 02/09/23 10:30 | 02/09/23 14:46 | 4' |
| 890-4079-8 | FS08 | Solid | 02/09/23 10:35 | 02/09/23 14:46 | 4' |
| 890-4079-9 | FS09 | Solid | 02/09/23 10:40 | 02/09/23 14:46 | 4' |
| 890-4079-10 | FS10 | Solid | 02/09/23 13:10 | 02/09/23 14:46 | 12' |
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| Environment Testing Houston, TX (28) 2:04-200, Dalas, TX (214) 992-2300 Work Order No: Manager: Tacoma Merrin SSL (1 EL Paio, TX (28) 2:04-200, Dalas, TX (214) 992-2300 Work Order No: Manager: Tacoma Merrin SSL (1 Bill to: (If different) Charpert Charles, NM (573) 992-750, Carlebad, NM | Na 2S 2O3: NaSO 3 | | | | Pa | Correction Factor | Yes No N/A | Cooler Custody Seals: |
| Europhins Environment Testing Houston, TX (21) 240-4200, Dallas, TX (21) 902 0300 Work Order No: Midland, TX (432) 704 5440, San Antonio, TX (210) 509 3334 EL Paso, TX (210) 509 3334 EL Paso, TX (210) 509 3334 Work Order No: Manager: Taccoma Marmin, Sacut Bill to: (If different) Chaster Att, 100 509 74-1286 Mork Order Comments ny Name EL Paso, TX (210) 509-7392, 7530, Carlebad, MN (573) 392, 7530, Carlebad, MN (573) 983, 199 www.xenco.com Page Page Namager: Taccoma Mort Offer Sacut Graphic MN (573) 392, 7530, Carlebad, MN (573) 983, 199 www.xenco.com Page Zo Sac TAS (TAR) Martine MR Address: 3104 Chartistic At, NM Apg. 22-20 State of Project: State of Project: State of Project: State of Project: Page Onher: | NaHSO 4: NABIS | | | | | [hermometer ID: 0 | Yes No | Samples Received Intac |
| Environment Testing Houston TX (281) 20-0200 Work Order No: Manager: Tacoma Mean/SSL-4 Bill to: (If different) Callson X (291) 595-343. Lubbod, TX (800) 794-126 Work Order No: 2 2 2 0 manager: Tacoma Mean/SSL-4 Bill to: (If different) Callson X (95) 595-343. Lubbod, TX (800) 794-126 Work Order No: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <td>H 3PO 4: HP</td> <td></td> <td></td> <td></td> <td>No</td> <td>-</td> <td>Temp Blank:</td> <td>SAMPI F RECEIPT</td> | H 3PO 4: HP | | | | No | - | Temp Blank: | SAMPI F RECEIPT |
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| Furing Kenco Environment Testing Kenco Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Manager: Tacoma Meani Sacu Bill to: (If different) EL Paso, TX (215) 585-343, Lubbock, TX (210) 599-334 Work Order No: Page Zot my Name: Tacoma Meani Sacu Bill to: (If different) Gaanatti Bill for: (If different) Gaanatti Bill for: (If different) Gaanatti Bill for: (If different) Mork Order Comments Work Order Comments s: 3122 Nat'l Parts Hu Address: 3104 E. Binzuri St. Min (575) 982-750, Carlsbad, MI (575) 982-750 Work Order Comments Work Order Comments s: 3122 Nat'l Parts Hu Address: 3104 E. Binzuri St. Mork Order Comments Work Order Comments se ZIP: Cartsbad, VIM 88-70 Enailt Ciry, state ZIP: Gaarsbad, Nim 892-20 Work Order Comments Brogram: USTIPST PRP Brownfields RRC sate of Project: Reporting: Level III Level III PST/UST TRRP Deliverables: EDD AdaPT Other: ate ZIP: 337-357-8307 Enailt Turn Around ANALYSIS REQUEST Preservative Comments | | | | 0. | | Foutine | 55818 | Project Number: |
| Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Manager: Tacoma Merri SSurg EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Work Order No: Ny Name: Tacoma Merri SSurg Bill to: (If different) Carasbad, NM (575) 982-359, Carlsbad, NM (575) 988-3199 www.xenco.com Page 2.0 s: 3122 Nat'i Partics Bill to: (If different) Carasbad, NM (575) 982-359, Carlsbad, NM (575) 982-3199 www.xenco.com Page 2.0 s: 3122 Nat'i Partics Company Name: 3104 E. Onreunt State Work Order Comments Work Order Comments Vork Order Co | Preservative Code | | ANALYSIS REQUES | | | Tur | ADW 1041 | Project Name: |
| Formation Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Work Order No: Tacoma Merrini Scar, Bill to: (If different) Charact t Charact t Charact t State ZIP: Carasbad, NM 98:720 City, State ZIP: Carasbad, NM 89:720 Work 07der Comments Work Order St State of Project: Work Order St State of Project: | | | | scy@enso | | | 337-257-8: | Phone: |
| Forfins Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Work Order No: | PST/UST | Reporting: Level II Level III | 88220 | Cartsberg | City, State ZIP: | M 88.220 | | City, State ZIP: |
| For Fins Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Kenco Midland, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Work Order No: Tacoma Meani SSeed Bill to: (If different) Gaspet H Gaspet H Gaspet H Tacoma Meani SSeed Bill to: (If different) Gaspet H Gaspet H Gaspet H Company Name: Graph Name: State H TU Gaspet H Program: UST/PST PRP Brownfields RRC |)] | State of Project: | Greene St | 3104 E. | Address: | | - | Address: |
| Fofins Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Xenco Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Work Order No: EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Tacoma Marmi Scale Bill to: (if different) Dataset Concent Work Order Comp | | | XTU Engy | | Company Name: | Lic - | Enselun, | Company Name: |
| Environment Testing Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Work Order No: Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com | r Comments | Work Orde | | Change | Bill to: (if different) | om Ssu | Tacoma M | Project Manager: |
| Environment Testing Midland, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 | | www.xenco.c | d, NM (575) 988-3199 | (915) 382-3443, Lubboc (575) 392-7550, Carlsbac | EL Paso, TA Hobbs, NM | | Actico | |
| | 0. | Work Order N | nio, TX (210) 509-3334 | 432) 704-5440, San Anto | Midland, TX (| nent Testing | - | |
| | | | 5. TX (214) 902-0300 | X (281) 240-4200. Dallas | Houston, T | | | |

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 4079 List Number: 1 Creator: Stutzman, Amanda

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

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Job Number: 890-4079-1 SDG Number: 03C1558180

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 4079 List Number: 2 Creator: Rodriguez, Leticia

| 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 | N/A | |

Job Number: 890-4079-1 SDG Number: 03C1558180

List Source: Eurofins Midland

List Creation: 02/13/23 08:35 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/23/2023 11:53:17 AM

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558180

JOB NUMBER

890-4155-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.

Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/23/2023 11:53:17 AM

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

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Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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| | |



Definitions/Glossarv

Page 125 of 197

| | Definitions/Glossary | | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------|---|
| Client: Ensolum Project/Site: AD | | Job ID: 890-4155-1 SDG: 03C1558180 | |
| Qualifiers | | | 3 |
| GC VOA | | | |
| Qualifier | Qualifier Description | | |
| U | Indicates the analyte was analyzed for but not detected. | | |
| GC Semi VOA | | | 5 |
| Qualifier | Qualifier Description | | |
| <u>U</u> | Indicates the analyte was analyzed for but not detected. | | |
| HPLC/IC | | | |
| Qualifier | Qualifier Description | | |
| F1 | MS and/or MSD recovery exceeds control limits. | | |
| U | Indicates the analyte was analyzed for but not detected. | | 8 |
| Glossary | | | |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | | 5 |
| ⁿ | 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 | | 4 |
| DL | Detection Limit (DoD/DOE) | | 1 |
| 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 MPN | Minimum Level (Dioxin) Most Probable Number | | |
| MQL | Most Probable Number | | |
| 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) | | |
| | Toxicity Equivalent Quatient (Dioxin) | | |
| TEQ | Toxicity Equivalent Quotient (Dioxin) | | |

.

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5

Job ID: 890-4155-1 SDG: 03C1558180

Job ID: 890-4155-1

Project/Site: ADU 641

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4155-1

Receipt

The samples were received on 2/20/2023 2:31 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 2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS12 (890-4155-1), FS13 (890-4155-2) and FS14 (890-4155-3).

GC VOA

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46940 and analytical batch 880-46950 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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

Result Qualifier

Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

<0.00401 U

<0.00200 U

<0.00401 U

%Recovery

RL

0.00200

0.00200

0.00200

0.00401

0.00200

0.00401

Limits

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

02/22/23 09:33

02/22/23 09:33

02/22/23 09:33

02/22/23 09:33

02/22/23 09:33

02/22/23 09:33

Prepared

Job ID: 890-4155-1 SDG: 03C1558180

Client Sample ID: FS12

Date Collected: 02/20/23 12:25 Date Received: 02/20/23 14:31

Sample Depth: 16'

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Project/Site: ADU 641

Client: Ensolum

Lab Sample ID: 890-4155-1

Analyzed

02/23/23 07:44

02/23/23 07:44 02/23/23 07:44

02/23/23 07:44

02/23/23 07.44

02/23/23 07:44

Analyzed

Matrix: Solid

| Solid | |
|--------------|----|
| | |
| | 5 |
| Dil Fac 1 | |
| 1 | |
| 1 1 | 8 |
| Dil Fac | 9 |
| 1 1 | |
| Dil Fac | |
| 1 | |
| Dil Fac | 13 |
| 1 | |

| Callegate | ,, | quanner | | | | | , , | = |
|---------------------------------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 116 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 07:44 | 1 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 07:44 | 1 |
| Method: TAL SOP Total BTEX - T | otal BTEX Cal | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | | 02/23/23 12:22 | 1 |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/23/23 11:59 | 1 |
| Method: SW846 8015B NM - Dies | el Range Orga | anics (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 | | 02/22/23 16:36 | 02/23/23 02:45 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 02:45 | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 02:45 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 93 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 02:45 | |
| p-Terphenyl | 95 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 02:45 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatogra | ohy - Solub | le | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 2090 | F1 | 25.1 | mg/Kg | | | 02/22/23 14:23 | 5 |
| lient Sample ID: FS13 | | | | | | Lab Sar | nple ID: 890- | 4155-2 |
| ate Collected: 02/20/23 10:50 ate Received: 02/20/23 14:31 | | | | | | | Matri | x: Solid |
| ample Depth: 24' | | | | | | | | |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:04 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:04 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:04 | 1 |
| m Vylana 8 n Vylana | <0.00200 | | 0.00208 | malka | | 02/22/22 00.22 | 02/22/22 00.01 | |

<0.00398 U 0.00398 02/22/23 09:33 02/23/23 08:04 m-Xylene & p-Xylene mg/Kg 1 o-Xylene <0.00199 U 0.00199 02/22/23 09:33 02/23/23 08:04 mg/Kg 1 <0.00398 U 0.00398 02/22/23 09:33 02/23/23 08:04 Xylenes, Total mg/Kg 1 Limits Prepared Surrogate %Recovery Qualifier Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 02/22/23 09:33 02/23/23 08:04 113 1

Eurofins Carlsbad

Released to Imaging: 8/30/2023 11:15:58 AM

Client Sample Results

Limits

70 - 130

RL

RL

49.9

0.00398

Unit

Unit

mg/Kg

mg/Kg

Job ID: 890-4155-1 SDG: 03C1558180

Client Sample ID: FS13

Date Collected: 02/20/23 10:50

Date Received: 02/20/23 14:31 Sample Depth: 24'

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Project/Site: ADU 641

| Lab Sample | ID: | 890-4155-2 |
|------------|-----|---------------|
| | | Matrix: Solid |

Analyzed

02/23/23 08:04

Analyzed

02/23/23 12:22

Analyzed

02/23/23 11:59

Analyzed

Prepared

02/22/23 09:33

Prepared

Prepared

Prepared

D

D

D

ix: Solid

| 155-2 Solid | |
|----------------|----|
| | |
| | 5 |
| Dil Fac 1 | |
| | |
| Dil Fac 1 | 8 |
| Dil Fac | 9 |
| 1 | |
| Dil Fac | |
| 1 | |
| 1 | 13 |
| | |

| Method: SW846 8015B NM - Diese | l Range Orga | nics (DRO) | (GC) | |
|--------------------------------|--------------|------------|------|------|
| Analyte | Result | Qualifier | RL | Unit |
| | | | | |

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

%Recovery Qualifier

Result Qualifier

Result Qualifier

<49.9 U

111

<0.00398 U

| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | 02/22/23 16:36 | 02/23/23 03:06 | 1 |
|-----------------------------------|-----------|-----------|--------|-------|-------------------------|----------------|--------------|
| (GRO)-C6-C10 | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | 02/22/23 16:36 | 02/23/23 03:06 | 1 |
| C10-C28) | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | 02/22/23 16:36 | 02/23/23 03:06 | 1 |
| | | | | | | | |
| | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
| Surrogate 1-Chlorooctane | 85 | Qualifier | Limits | | Prepared 02/22/23 16:36 | Analyzed | Dil Fac |
| | | Qualifier | | | · | | Dil Fac 1 |

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

| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------------|------|-------|---|----------|----------------|---------|
| Chloride | 3530 | 50.2 | mg/Kg | | | 02/22/23 14:41 | 10 |

Client Sample ID: FS14

Date Collected: 02/20/23 12:30 Date Received: 02/20/23 14:31 Sample Depth: 24'

Lab Sample ID: 890-4155-3

Matrix: Solid

| Method: SW846 8021B - Volat | lie Organic Comp | ounas (GC) | | | | | | |
|-----------------------------|-------------------|-------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | mg/Kg | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 08:25 | 1 |
| Method: TAL SOP Total BTEX | - Total BTEX Cald | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00396 | U | 0.00396 | mg/Kg | | | 02/23/23 12:22 | 1 |
| Method: SW846 8015 NM - Die | esel Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | | 49.9 | mg/Kg | | | 02/23/23 11:59 | |

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Client Sample Results

| Job ID: 890-4155-1 |
|--------------------|
| SDG: 03C1558180 |

Matrix: Solid

5

Lab Sample ID: 890-4155-3

Client Sample ID: FS14

Date Collected: 02/20/23 12:30 Date Received: 02/20/23 14:31

Sample Depth: 24'

Client: Ensolum Project/Site: ADU 641

| Method: SW846 8015B NM - Dies | sei kange Orga | inics (DRO) | | | | | | |
|-----------------------------------|----------------|-------------------------------------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 03:28 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 03:28 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 03:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 95 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 03:28 | 1 |
| o-Terphenyl | 98 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 03:28 | 1 |
| | | | | | | | | |
| Method: EPA 300.0 - Anions, Ion | Chromatogra | ohy - Solubl | e | | | | | |
| | • • | o <mark>hy - Solubl</mark> o Qualifier | e RL | Unit | D | Prepared | Analyzed | Dil Fac |

110

109

105

105

Client: Ensolum Project/Site: ADU 641

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6

Job ID: 890-4155-1 SDG: 03C1558180

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Lab Sample ID Client Sample ID (70-130) (70-130) 880-24905-A-79-D MS Matrix Spike 111 112 880-24905-A-79-E MSD Matrix Spike Duplicate 119 113 890-4155-1 FS12 116 112 FS13 890-4155-2 113 111 890-4155-3 FS14 115 108

| MB 880-46933/5-A | Method Blank |
|------------------|--------------|
| Surrogate Legend | |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Lab Control Sample

Method Blank

Lab Control Sample Dup

Matrix: Solid

LCS 880-46933/1-A

MB 880-46926/8

LCSD 880-46933/2-A

| | | | | Percent Surrogate Recovery (Acceptance Limits) | |
|--------------------|------------------------|----------|----------|------------------------------------------------|--|
| | | 1CO1 | OTPH1 | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | |
| 890-4153-A-1-G MS | Matrix Spike | 117 | 104 | · | |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | 98 | 89 | | |
| 890-4155-1 | FS12 | 93 | 95 | | |
| 890-4155-2 | FS13 | 85 | 88 | | |
| 890-4155-3 | FS14 | 95 | 98 | | |
| LCS 880-46977/2-A | Lab Control Sample | 98 | 88 | | |
| LCSD 880-46977/3-A | Lab Control Sample Dup | 100 | 91 | | |
| MB 880-46977/1-A | Method Blank | 126 | 127 | | |
| Surragata Lagand | | | | | |

113

113

105

104

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

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Released to Imaging: 8/30/2023 11:15:58 AM

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4155-1 SDG: 03C1558180

Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-46926/8 Matrix: Solid | | | | | | | | С | lient Sa | mple ID: Metl Prep Type | | |
|---------------------------------------------------------------------------|------------|--------------------|------------------------------|---------|-------------|-------|------|--------|----------|-----------------------------------------|----------------|------------|
| Analysis Batch: 46926 | | | | | | | | | | | | |
| | | IB MB | _ | | | | _ | _ | | | | |
| Analyte | | ult Qualifie | | <u></u> | Unit | | D | Pre | pared | Analyzed | | Dil Fa |
| Benzene | <0.002 | | 0.0020 | | mg/K | - | | | | 02/22/23 13:39 | | |
| | <0.002 | | 0.0020 | | mg/K | - | | | | 02/22/23 13:39 | | |
| Ethylbenzene | <0.002 | | 0.0020 | | mg/K | | | | | 02/22/23 13:39 | | |
| n-Xylene & p-Xylene | <0.004 | | 0.0040 | | mg/K | | | | | 02/22/23 13:39 | | |
| p-Xylene | <0.002 | | 0.0020 | | mg/K | - | | | | 02/22/23 13:39 | | |
| Kylenes, Total | <0.004 | U 00 | 0.0040 | 00 | mg/K | g | | | | 02/22/23 13:39 | | |
| | Л | 1B MB | | | | | | | | | | |
| Surrogate | %Recove | ry Qualifie | er Limits | | | | | Pre | oared | Analyzed | | Dil Fa |
| 4-Bromofluorobenzene (Surr) | | 05 | 70 - 130 | _ | | | | | | 02/22/23 13:39 |) — | |
| 1,4-Difluorobenzene (Surr) | 1 | 05 | 70 - 130 | | | | | | | 02/22/23 13:39 |) | |
| _ab Sample ID: MB 880-46933/5-A Matrix: Solid Analysis Batch: 46926 | | | | | | | | С | lient Sa | imple ID: Metl Prep Type Prep Bat | : Tot | tal/N |
| Analysis Datch. 40520 | | IB MB | | | | | | | | гтер Ба | UII. • | 4030 |
| Analyte | | ult Qualifie | r B | ۲L. | Unit | | D | Dro | pared | Analyzed | | Dil Fa |
| Benzene | <0.002 | | 0.0020 | | 0m/ mg/K | | | | 23 09:33 | 02/23/23 01:41 | | |
| Toluene | <0.002 | | 0.0020 | | mg/K | - | | | 23 09:33 | 02/23/23 01:41 | | |
| Ethylbenzene | <0.002 | | 0.0020 | | mg/K | - | | | 23 09:33 | 02/23/23 01:41 | | |
| | <0.002 | | 0.0020 | | | | | | 23 09:33 | 02/23/23 01:41 | | |
| n-Xylene & p-Xylene p-Xylene | <0.004 | | 0.0040 | | mg/K | - | | | 23 09:33 | 02/23/23 01:41 | | |
| Xylenes, Total | <0.002 | | 0.0020 | | mg/K | | | | 23 09:33 | 02/23/23 01:41 | | |
| yienes, iotai | | | 0.0040 | 10 | mg/K | y | 0. | 212212 | 23 09.33 | 02/23/23 01.41 | | |
| • · · · | | 1B MB | | | | | | _ | | | | |
| Surrogate | - | ry Qualifie | er <u>Limits</u> 70 - 130 | _ | | | | | pared | Analyzed | | Dil Fa |
| 4-Bromofluorobenzene (Surr) | | | | | | | | | 23 09:33 | 02/23/23 01:41 | | |
| 1,4-Difluorobenzene (Surr) | 1 | 04 | 70 - 130 | | | | 0. | 2/22/ | 23 09:33 | 02/23/23 01:41 | | |
| Lab Sample ID: LCS 880-46933/1-4 | N | | | | | | Clie | ent S | ample | ID: Lab Contro | ol Sa | amp |
| Matrix: Solid | | | | | | | | | | Prep Type | : Tot | tal/N |
| Analysis Batch: 46926 | | | | | | | | | | Prep Bat | ch: | 4693 |
| | | | Spike | LCS | LCS | | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | I | D ' | %Rec | Limits | | |
| Benzene | | | 0.100 | 0.1029 | | mg/Kg | | | 103 | 70 - 130 | | |
| oluene | | | 0.100 | 0.09799 | | mg/Kg | | | 98 | 70 _ 130 | | |
| Ethylbenzene | | | 0.100 | 0.1052 | | mg/Kg | | | 105 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2284 | | mg/Kg | | | 114 | 70 - 130 | | |
| p-Xylene | | | 0.100 | 0.1113 | | mg/Kg | | | 111 | 70 - 130 | | |
| | LCS L | 22 | | | | | | | | | | |
| Surrogate % | Recovery G | | Limits | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 110 | uumer | 70 - 130 | | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 70 - 130 | | | | | | | | | |
| Lab Sample ID: LCSD 880-46933/2 | -Δ | | | | | Clic | nt S | amn | | ab Control Sa | mol | ہ م |
| Matrix: Solid | 2 | | | | | Cile | | amp | | Prep Type | | |
| Analysis Batch: 46926 | | | | | | | | | | Prep Bat | | |
| | | | Spike | | LCSD | | | | | %Rec | UII . 4 | 4093 RF |
| | | | | | | | | | | /01366 | | n |
| Analyte | | | Added | | Qualifier | Unit | | D | %Rec | | PD | Lim |

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Project/Site: ADU 641

QC Sample Results

Job ID: 890-4155-1 SDG: 03C1558180

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 46933

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

| Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46926 | 6933/2-A | | | | | Clie | nt San | nple ID: | | ol Sampl Type: To Batch: | tal/NA | |
|---------------------------------------------------------------------|-----------|-----------|----------|--------|-----------|-------|--------|----------|----------|--------------------------------|--------|--|
| | | | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Toluene | | | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 | 3 | 35 | |
| Ethylbenzene | | | 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 | 0 | 35 | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2261 | | mg/Kg | | 113 | 70 - 130 | 1 | 35 | |
| o-Xylene | | | 0.100 | 0.1105 | | mg/Kg | | 110 | 70 - 130 | 1 | 35 | |
| | LCSD | LCSD | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | | | | | | | | |

Lab Sample ID: 880-24905-A-79-D MS Matrix: Solid

Analysis Batch: 46926

| Analysis Batch: 46926 | | | | | | | | | Prep | Batch: 46933 |
|-----------------------|----------|-----------|-------|--------|-----------|-------|---|------|----------|--------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.00200 | U | 0.101 | 0.1098 | | mg/Kg | | 109 | 70 - 130 | |
| Toluene | <0.00200 | U | 0.101 | 0.1066 | | mg/Kg | | 106 | 70 - 130 | |
| Ethylbenzene | <0.00200 | U | 0.101 | 0.1125 | | mg/Kg | | 111 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00401 | U | 0.202 | 0.2429 | | mg/Kg | | 120 | 70 - 130 | |
| o-Xylene | <0.00200 | U | 0.101 | 0.1187 | | mg/Kg | | 117 | 70 - 130 | |

| | MS I | NS | |
|-----------------------------|-------------|-----------|----------|
| Surrogate | %Recovery (| Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 |

Lab Sample ID: 880-24905-A-79-E MSD Matrix: Solid

Analysis Batch: 46926

1,4-Difluorobenzene (Surr)

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|-----------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00200 | U | 0.0994 | 0.1097 | | mg/Kg | | 110 | 70 - 130 | 0 | 35 |
| Toluene | <0.00200 | U | 0.0994 | 0.1076 | | mg/Kg | | 108 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0994 | 0.1143 | | mg/Kg | | 115 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.199 | 0.2473 | | mg/Kg | | 124 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00200 | U | 0.0994 | 0.1213 | | mg/Kg | | 122 | 70 - 130 | 2 | 35 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 119 | | 70 - 130 | | | | | | | | |

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

113

| Lab Sample ID: MB 880-46977/1-A Matrix: Solid Analysis Batch: 46917 | МВ | МВ | | | | Client Sa | mple ID: Metho Prep Type: ⊺ Prep Batcł | Total/NA |
|---------------------------------------------------------------------------|--------|-----------|------|-------|---|----------------|----------------------------------------------|----------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 02/22/23 16:36 | 02/22/23 21:03 | 1 |
| (GRO)-C6-C10 | | | | | | | | |

70 - 130

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Project/Site: ADU 641

QC Sample Results

Job ID: 890-4155-1 SDG: 03C1558180

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

| Lab Sample ID: MB 880-46977 | 7/1-A | | | | | | | Client S | ample ID: | Method | l Blank |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Matrix: Solid | | | | | | | | | Prep 1 | Туре: То | otal/NA |
| Analysis Batch: 46917 | | | | | | | | | Prep | Batch: | 46977 |
| | I | MB MB | | | | | | | | | |
| Analyte | Res | sult Quali | ifier | RL | Unit | | D | Prepared | Analyz | zed | Dil Fac |
| Diesel Range Organics (Over | <5 | 50.0 U | | 50.0 | mg/k | ίg | 0 | 2/22/23 16:36 | 02/22/23 | 21:03 | 1 |
| C10-C28) | | | | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <5 | 60.0 U | | 50.0 | mg/k | ίg | 0 | 2/22/23 16:36 | 02/22/23 | 21:03 | 1 |
| | | MB MB | | | | | | | | | |
| Surrogate | %Recov | | ifior Li | nits | | | | Prepared | Analyz | rod | Dil Fac |
| 1-Chlorooctane | | 126 Quan | | - 130 | | | _ | 2/22/23 16:36 | | | 1 Dii Fac |
| o-Terphenyl | | 120 | | - 130 - 130 | | | |)2/22/23 16:36 | | | 1 |
| o-reiphenyi | | 121 | 70 | - 150 | | | 0 | 12/22/23 10.30 | 02/22/23 | 21.05 | , |
| Lab Sample ID: LCS 880-4697 | 7/2-4 | | | | | | Clie | ent Sample | ID: Lab C | ontrol S | Sample |
| Matrix: Solid | | | | | | | • | ounpic | | Type: To | |
| Analysis Batch: 46917 | | | | | | | | | | Batch: | |
| Analysis Datch. 40317 | | | Spike | 1.05 | LCS | | | | %Rec | Daten. | 40377 |
| Analyte | | | Added | | Qualifier | Unit | | D %Rec | Limits | | |
| Gasoline Range Organics | | | Added | 832.8 | qualifier | mg/Kg | | <u>- %Rec</u> - 83 | 70 - 130 | | |
| (GRO)-C6-C10 | | | 1000 | 032.0 | | myrxy | | 00 | 10 - 130 | | |
| Diesel Range Organics (Over | | | 1000 | 815.4 | | mg/Kg | | 82 | 70 - 130 | | |
| C10-C28) | | | | | | 5 5 | | | | | |
| | | | | | | | | | | | |
| | LCS I | | | | | | | | | | |
| • · · | %Recovery (| Qualifier | Limits | | | | | | | | |
| Surrogate | | | | _ | | | | | | | |
| 1-Chlorooctane | 98 | | | | | | | | | | |
| | 98 88 | | 70 - 130 70 - 130 | | | | | | | | |
| 1-Chlorooctane o-Terphenyl | 88 | | | | | Cli | ent S | ample ID: I | Lab Contro | ol Samp | le Dup |
| 1-Chlorooctane | 88 | | | | | Cli | ent S | ample ID: I | | | |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid | 88 | | | | | Cli | ent S | ample ID: I | Prep 1 | Type: To | otal/NA |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 | 88 | | | | LCSD | Cli | ent S | ample ID: I | Prep 1 | | otal/NA |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid | 88 | | 70 - 130 | LCSD | LCSD Qualifier | Cli Unit | | ample ID: I D %Rec | Prep 1 Prep | Type: To | otal/NA 46977 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte | 88 | | 70 ₋ 130 Spike | LCSD | | | | | Prep 1 Prep %Rec | Type: To Batch: | tal/NA 46977 RPD |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 | 88 | | 70 _ 130 Spike Added | LCSD Result | | Unit | | D %Rec | Prep Prep %Rec Limits | Type: To Batch: | tal/NA 46977 RPD Limit |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics | 88 | | 70 _ 130 Spike Added | LCSD Result | | Unit | | D %Rec | Prep Prep %Rec Limits | Type: To Batch: | tal/NA 46977 RPD Limit |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 | 88 | | 70 _ 130 Spike | LCSD Result 878.3 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 88 977/3-A | ICSD | 70 _ 130 Spike | LCSD Result 878.3 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 88 977/3-A | | 70 - 130 Spike Added 1000 | LCSD Result 878.3 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 | Prep 7 Prep %Rec Limits 70 - 130 | Type: To Batch: RPD 5 | tal/NA 46977 RPD <u>Limit</u> 20 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 - 83 | Prep 7 Prep %Rec Limits 70 - 130 70 - 130 | Type: To Batch: RPD 5 2 | 2000 2000 2000 2000 2000 2000 2000 200 |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 - 83 | Prep 7 Prep %Rec Limits 70 - 130 70 - 130 Sample ID | Type: To Batch: RPD 5 2 | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid | 88 977/3-A | | 70 - 130 Spike Added 1000 1000 | LCSD Result 878.3 830.0 | | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 - 83 | Prep 7 Prep %Rec Limits 70 - 130 70 - 130 Sample ID Prep 7 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- | 88 077/3-A LCSD I %Recovery 0 100 91 G MS | Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 | LCSD Result 878.3 830.0 | Qualifier | _ <mark>Unit</mark> mg/Kg | | D %Rec 88 - 83 | Prep 7 Prep % %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 7 Prep 7 | Type: To Batch: RPD 5 2 | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 | 88 977/3-A LCSD I %Recovery 0 100 91 G MS Sample S | Qualifier Sample | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 | LCSD Result 878.3 830.0 | Qualifier | – <mark>Unit</mark> mg/Kg mg/Kg | | D %Rec 88 83 Client | Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep 7 Prep 7 %Rec | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte | 88 977/3-A LCSD I %Recovery 0 100 91 G MS Sample 5 Result 0 | Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike Added | LCSD Result 878.3 830.0 | Qualifier | _ Unit mg/Kg mg/Kg | | D %Rec 83 Client | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 | 88 977/3-A LCSD I %Recovery 0 100 91 G MS Sample S | Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 | LCSD Result 878.3 830.0 | Qualifier | – <mark>Unit</mark> mg/Kg mg/Kg | | D %Rec 88 83 Client | Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep 7 Prep 7 %Rec | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics | 88 977/3-A LCSD I %Recovery 0 100 91 G MS Sample 5 Result 0 | Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike Added | LCSD Result 878.3 830.0 — — — — — — — — — — — — — — — — — — | Qualifier | _ Unit mg/Kg mg/Kg | | D %Rec 83 Client | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 | 88 277/3-A <i>LCSD I</i> <i>%Recovery 0</i> 100 91 CG MS Sample 3 <u>Result 0</u> <50.0 0 | Qualifier Sample Qualifier | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 998 | LCSD Result 878.3 830.0 — — — — — — — — — — — — — — — — — — | Qualifier | Unit mg/Kg mg/Kg | | D %Rec 83 83 Client D %Rec 84 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep %Rec Limits 70 - 130 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 88 0777/3-A LCSD I %Recovery 0 100 91 G MS Sample 5 Result 0 <50.0 0 | Qualifier Sample Qualifier ∪ | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 998 | LCSD Result 878.3 830.0 — — — — — — — — — — — — — — — — — — | Qualifier | Unit mg/Kg mg/Kg | | D %Rec 83 83 Client D %Rec 84 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep %Rec Limits 70 - 130 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | 88 977/3-A LCSD I %Recovery 0 100 91 G MS Sample 5 Result 0 59.4 MS 1 | Qualifier Sample Qualifier ∪ | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 998 998 | LCSD Result 878.3 830.0 — — — — — — — — — — — — — — — — — — | Qualifier | Unit mg/Kg mg/Kg | | D %Rec 83 83 Client D %Rec 84 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep %Rec Limits 70 - 130 | Type: To Batch: | A Contraction of the second se |
| 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-469 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153-A-1- Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 88 0777/3-A LCSD I %Recovery 0 100 91 G MS Sample 5 Result 0 <50.0 0 | Qualifier Sample Qualifier ∪ | 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 998 | LCSD Result 878.3 830.0 — — — — — — — — — — — — — — — — — — | Qualifier | Unit mg/Kg mg/Kg | | D %Rec 83 83 Client D %Rec 84 | Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep %Rec Limits 70 - 130 | Type: To Batch: | A Contraction of the second se |

Project/Site: ADU 641

QC Sample Results

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

| Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 | Sample | | | | | | | | Drop T | ype: To | tal/M |
|-----------------------------------------------------------------------------------------------|--------------------------------|-----------------|------------------------|--------|------------------------|---------------|---------|-------------|--------------------|---------------------|-------|
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Sample | | | | | | | | | Batch: | |
| Gasoline Range Organics (GRO)-C6-C10 | | Sample | Spike | MSD | MSD | | | | %Rec | Datch. | RP |
| Gasoline Range Organics (GRO)-C6-C10 | | Qualifier | Added | | Qualifier | Unit | D | %Rec | Limits | RPD | Lim |
| (GRO)-C6-C10 | <50.0 | | | 988.5 | Quaimer | mg/Kg | | | 70 - 130 | 14 | 2 |
| | <50.0 | 0 | 991 | 900.5 | | mg/rtg | | 51 | 70 - 150 | 14 | 2 |
| Diesel Range Organics (Over | 59.4 | | 997 | 883.4 | | mg/Kg | | 83 | 70 - 130 | 17 | 2 |
| C10-C28) | | | | | | 0 0 | | | | | |
| | MSD | MED | | | | | | | | | |
| Sumonoto | WSD %Recovery | | Lingita | | | | | | | | |
| Surrogate 1-Chlorooctane | | Qualifier | Limits 70 - 130 | | | | | | | | |
| o-Terphenyl | 98 89 | | 70 - 130 70 - 130 | | | | | | | | |
| o-reiphenyi | 03 | | 70 - 750 | | | | | | | | |
| ethod: 300.0 - Anions, Io | on Chromat | ography | | | | | | | | | |
| | | 0 1 7 | | | | | | | | | |
| Lab Sample ID: MB 880-46940 |)/1-A | | | | | | | Client S | Sample ID: | Method | Blar |
| Matrix: Solid | | | | | | | | | Prep | Type: S | olub |
| Analysis Batch: 46950 | | | | | | | | | | | |
| | | MB MB | | | | | | | | | |
| Analyte | Re | esult Qualifier | | RL | Unit | | D P | repared | Analyz | ed | Dil F |
| Chloride | < | <5.00 U | | 5.00 | mg/K | g . | | | 02/22/23 | 14:06 | |
| | | | | | | | | | | | |
| Lab Sample ID: LCS 880-4694 | 0/2-A | | | | | | Client | Sample | D: Lab Co | | |
| Matrix: Solid | | | | | | | | | Prep | Type: S | olub |
| Analysis Batch: 46950 | | | | | | | | | | | |
| | | | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Chloride | | | 250 | 245.5 | | mg/Kg | | 98 | 90 - 110 | | |
| | | | | | | | | | | | _ |
| Lab Sample ID: LCSD 880-469 | 40/3-A | | | | | Clie | ent Sam | ple ID: | Lab Contro | | |
| Matrix: Solid | | | | | | | | | Prep | Type: S | olub |
| Analysis Batch: 46950 | | | | | | | | | | | |
| | | | Spike | LCSD | LCSD | | | | %Rec | | RF |
| Analyte | | | Added | | Qualifier | Unit | D | %Rec | Limits | RPD | Lin |
| Chloride | | | 250 | 240.7 | | mg/Kg | | 96 | 90 - 110 | 2 | : |
| | _ | | | | | | | | | | |
| Lab Sample ID: 890-4155-1 MS | 5 | | | | | | | | Client Sa | | |
| | | | | | | | | | Prep | Type: S | olub |
| Matrix: Solid | | | | | | | | | | | |
| Matrix: Solid Analysis Batch: 46950 | | - | Spike | | MS | | | | %Rec | | |
| Analysis Batch: 46950 | Sample | | Added | | Qualifier | Unit | D | %Rec | Limits | | |
| Analysis Batch: 46950 Analyte | Result | Qualifier | | | | | | | | | |
| Analysis Batch: 46950 ^{Analyte} | - | | 1260 | 3544 | F1 | mg/Kg | | 116 | 90 - 110 | | |
| Analysis Batch: 46950 Analyte Chloride | Result 2090 | | 1260 | 3544 | F1 | mg/Kg | | 116 | | | |
| Analysis Batch: 46950 Analyte Chloride Lab Sample ID: 890-4155-1 MS | Result 2090 | | 1260 | 3544 | F1 | mg/Kg | | 116 | Client Sa | | |
| Analysis Batch: 46950 Analyte Chloride Lab Sample ID: 890-4155-1 MS Matrix: Solid | Result 2090 | | 1260 | 3544 | F1 | mg/Kg | | 116 | Client Sa | mple ID: Type: S | |
| Analysis Batch: 46950 Analyte Chloride | Result 2090 | F1 | | | | mg/Kg | | 116 | Client Saı Prep | | olub |
| Analysis Batch: 46950 Analyte Chloride Lab Sample ID: 890-4155-1 MS Matrix: Solid | Result 2090 SD Sample | | 1260 Spike Added | MSD | F1 MSD Qualifier | mg/Kg Unit | D | 116 %Rec | Client Sa | | |

QC Association Summary

Client: Ensolum Project/Site: ADU 641

Job ID: 890-4155-1 SDG: 03C1558180

GC VOA

Analysis Batch: 46926

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-4155-1 | FS12 | Total/NA | Solid | 8021B | 46933 |
| 890-4155-2 | FS13 | Total/NA | Solid | 8021B | 46933 |
| 890-4155-3 | FS14 | Total/NA | Solid | 8021B | 46933 |
| MB 880-46926/8 | Method Blank | Total/NA | Solid | 8021B | |
| MB 880-46933/5-A | Method Blank | Total/NA | Solid | 8021B | 46933 |
| LCS 880-46933/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 46933 |
| LCSD 880-46933/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46933 |
| 880-24905-A-79-D MS | Matrix Spike | Total/NA | Solid | 8021B | 46933 |
| 880-24905-A-79-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46933 |

Prep Batch: 46933

| LC | SD 880-46933/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 46933 | |
|-----|--------------------|------------------------|-----------|--------|--------|------------|----|
| 88 | 0-24905-A-79-D MS | Matrix Spike | Total/NA | Solid | 8021B | 46933 | 8 |
| 880 | 0-24905-A-79-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 46933 | |
| Pre | p Batch: 46933 | | | | | | 9 |
| Lal | b Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch | 10 |
| 890 | 0-4155-1 | FS12 | Total/NA | Solid | 5035 | | |
| 890 | 0-4155-2 | FS13 | Total/NA | Solid | 5035 | | 44 |
| 890 | 0-4155-3 | FS14 | Total/NA | Solid | 5035 | | |
| ME | 8 880-46933/5-A | Method Blank | Total/NA | Solid | 5035 | | 12 |
| LC | S 880-46933/1-A | Lab Control Sample | Total/NA | Solid | 5035 | | |
| LC | SD 880-46933/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | | 40 |
| 880 | 0-24905-A-79-D MS | Matrix Spike | Total/NA | Solid | 5035 | | 13 |
| 88 | 0-24905-A-79-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | | |
| _ | | | | | | | |

Analysis Batch: 47054

| Lab Sample ID 890-4155-1 | Client Sample ID FS12 | Prep Type Total/NA | Matrix Solid | Method Total BTEX | Prep Batch |
|-----------------------------|--------------------------|-----------------------|-----------------|----------------------|------------|
| 890-4155-2 | FS13 | Total/NA | Solid | Total BTEX | |
| 890-4155-3 | FS14 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 46917

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4155-1 | FS12 | Total/NA | Solid | 8015B NM | 46977 |
| 890-4155-2 | FS13 | Total/NA | Solid | 8015B NM | 46977 |
| 890-4155-3 | FS14 | Total/NA | Solid | 8015B NM | 46977 |
| MB 880-46977/1-A | Method Blank | Total/NA | Solid | 8015B NM | 46977 |
| LCS 880-46977/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 46977 |
| LCSD 880-46977/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 46977 |
| 890-4153-A-1-G MS | Matrix Spike | Total/NA | Solid | 8015B NM | 46977 |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 46977 |

Prep Batch: 46977

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-4155-1 | FS12 | Total/NA | Solid | 8015NM Prep | |
| 890-4155-2 | FS13 | Total/NA | Solid | 8015NM Prep | |
| 890-4155-3 | FS14 | Total/NA | Solid | 8015NM Prep | |
| MB 880-46977/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-46977/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-46977/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4153-A-1-G MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Eurofins Carlsbad

Client: Ensolum Project/Site: ADU 641

Analysis Batch: 47028

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4155-1 | FS12 | Total/NA | Solid | 8015 NM | |
| 890-4155-2 | FS13 | Total/NA | Solid | 8015 NM | |
| 890-4155-3 | FS14 | Total/NA | Solid | 8015 NM | |
| | | | | | |

HPLC/IC

Leach Batch: 46940

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch | 8 |
|-----------------------|------------------------|-----------|--------|----------|------------|----|
| 890-4155-1 | FS12 | Soluble | Solid | DI Leach | | |
| 890-4155-2 | FS13 | Soluble | Solid | DI Leach | | 0 |
| 890-4155-3 | FS14 | Soluble | Solid | DI Leach | | 3 |
| MB 880-46940/1-A | Method Blank | Soluble | Solid | DI Leach | | |
| LCS 880-46940/2-A | Lab Control Sample | Soluble | Solid | DI Leach | | |
| LCSD 880-46940/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | | |
| 890-4155-1 MS | FS12 | Soluble | Solid | DI Leach | | |
| 890-4155-1 MSD | FS12 | Soluble | Solid | DI Leach | | |
| Analysis Batch: 46950 | | | | | | |
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch | 13 |
| 890-4155-1 | FS12 | Soluble | Solid | 300.0 | 46940 | |

Analysis Batch: 46950

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-4155-1 | FS12 | Soluble | Solid | 300.0 | 46940 |
| 890-4155-2 | FS13 | Soluble | Solid | 300.0 | 46940 |
| 890-4155-3 | FS14 | Soluble | Solid | 300.0 | 46940 |
| MB 880-46940/1-A | Method Blank | Soluble | Solid | 300.0 | 46940 |
| LCS 880-46940/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 46940 |
| LCSD 880-46940/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 46940 |
| 890-4155-1 MS | FS12 | Soluble | Solid | 300.0 | 46940 |
| 890-4155-1 MSD | FS12 | Soluble | Solid | 300.0 | 46940 |

5

Job ID: 890-4155-1 SDG: 03C1558180

5 6

9

Job ID: 890-4155-1 SDG: 03C1558180

Lab Sample ID: 890-4155-1 Matrix: Solid

Lab Sample ID: 890-4155-2

Lab Sample ID: 890-4155-3

Matrix: Solid

Matrix: Solid

Date Collected: 02/20/23 12:25 Date Received: 02/20/23 14:31

Client Sample ID: FS12

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 46933 | 02/22/23 09:33 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46926 | 02/23/23 07:44 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47054 | 02/23/23 12:22 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47028 | 02/23/23 11:59 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 46977 | 02/22/23 16:36 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46917 | 02/23/23 02:45 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 46940 | 02/22/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46950 | 02/22/23 14:23 | СН | EET MID |

Client Sample ID: FS13

Date Collected: 02/20/23 10:50

Date Received: 02/20/23 14:31

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 46933 | 02/22/23 09:33 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46926 | 02/23/23 08:04 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47054 | 02/23/23 12:22 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47028 | 02/23/23 11:59 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 46977 | 02/22/23 16:36 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46917 | 02/23/23 03:06 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 46940 | 02/22/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 46950 | 02/22/23 14:41 | СН | EET MID |

Client Sample ID: FS14

Date Collected: 02/20/23 12:30 Date Received: 02/20/23 14:31

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.05 g | 5 mL | 46933 | 02/22/23 09:33 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46926 | 02/23/23 08:25 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47054 | 02/23/23 12:22 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47028 | 02/23/23 11:59 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 46977 | 02/22/23 16:36 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46917 | 02/23/23 03:28 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 46940 | 02/22/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 46950 | 02/22/23 14:46 | CH | EET MID |

Laboratory References:

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

Laboratory: Eurofins Midland

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

| thority | | rogram | Identification Number | Expiration Date | |
|------------------------------------------|--------------------------------|---------------------------------|----------------------------------------------|---------------------------|--|
| xas | N | ELAP | T104704400-22-25 | 06-30-23 | |
| The following analytes | are included in this report. b | ut the laboratory is not certif | ied by the governing authority. This list ma | ay include analytes for w | |
| the agency does not o | fer certification. | · | | | |
| the agency does not o Analysis Method | | Matrix | Analyte | | |
| the agency does not o | fer certification. | · | | | |

10

Job ID: 890-4155-1

SDG: 03C1558180

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4155-1 SDG: 03C1558180

| Method | Method Description | Protocol | Laboratory |
|---------------|-------------------------------------------------------------------------------------|--------------------------------|------------|
| 3021B | 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 Refe | rences: | | |
| ASTM = A | STM 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 R | eferences: | | |
| EET MID : | = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 | | |
| | | | |
| | | | |
| | | | |
| | | | |

Eurofins Carlsbad

Client: Ensolum Project/Site: ADU 641 Page 140 of 197

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-4155-1 | FS12 | Solid | 02/20/23 12:25 | 02/20/23 14:31 | 16' |
| 890-4155-2 | FS13 | Solid | 02/20/23 10:50 | 02/20/23 14:31 | 24' |
| 890-4155-3 | FS14 | Solid | 02/20/23 12:30 | 02/20/23 14:31 | 24' |

| ronmen co | Houston, TX Midland, TX (43 EL Paso, TX (9 Hobbs, NM (5 Bill to: (If different) Company Name: Address: | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) S09-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 different) Mame: SiOA E Gneed St SiOA E Gneed St |
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| back NM 88 | City, State ZIP: | baul |
| 1.257.8301 | | tmorrisse Censelum, com |
| bA1 | rn Around, | ANALYSIS REQUEST |
| Rout | Pres. Code | |
| | 24 11- | |
| | the day received by eceived by 4:30pm | |
| No. No | | |
| Ves No Thermometer | Ĭ | 2 |
| Yes No WA Correction Factor: | P | |
| Yes No WA Temperature Reading: | | _ |
| Sample Identification Matrix Sampled Sampled | Depth | Chi |
| 3 | 16' | XXX |
| - | + | |
| • | 27 4 | Y |
| | | |
| | | |
| | | |
| | | |
| | | |
| 8RCR | PPM Texas 11 AI Sb SPLP 6010 : 8RCRA S | A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U |
| nent and relinquishment of samples constitutes a valid purchase be liable only for the cost of samples and shall not assume any re charge of \$85.00 will be applied to each project and a charge of | order from client company to Eurof sponsibility for any losses or expens \$5 for each sample submitted to Eu | is Xenco, its affiliates and subcontractors. It assigns standard terms and conditions sincured by the left if such losses are due to circumstances beyond the control ofns Xenco, but not analyzed. These terms will be enforced unless previously negotiated. |
| Signature) Received by: (Signat | ure) | Date/Time Relinquished by: (Signature) |
| My Harerola | c tors | 151 EC-DE-E |
| | ` | 2 |
| Project Manager: Company Name: Address: City, State ZIP: Project Location: Project Name: Project Nam | Project Manager: Tations Month's served Inderess: 3122 N111 Parts Full Try Same 3122 N111 Parts Full Project Name: 3122 N111 Parts Full Full Project Name: 32,533 Ref Full Full Project Name: 32,533 Ref Full Full Project Name: 32,533 Ref Full Full Project Name: 03,61556 Bo Full Full Project Name: 03,61556 Bo Full Full Sample Classody Seals: Yes No The momenter follo Full Sample Classody Seals: Yes No The momenter follo Correction Factor: Sample Classody Seals: Yes No The momenter follo Corrected Temperature Reading: Total Containers: Total Sampled July Sampled July Sampled July Sampled FS14 July Sampled July Sampled July Sampled July Sampled July Sampled Total 2007 / 6010 2008 / 6020: RRCRA 1 | Ins Environment Testir Takoma Morrisser Finsolum, LLC 3122 Niti Parsi 3237.357.62, Nm 3237.357.63, Nm Blank: Temp Blank: Temp Blank: Ves <no< td=""> Ves<no< td=""> Ves<no< td=""> Ves<no< td=""> Ves<no< td=""> Value Juli Ves<no< td=""> Ves<no< td=""></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<></no<> |

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4155 List Number: 1 Creator: Stutzman, Amanda

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

Job Number: 890-4155-1 SDG Number: 03C1558180

List Source: Eurofins Carlsbad

Eurofins Carlsbad Released to Imaging: 8/30/2023 11:15:58 AM

Job Number: 890-4155-1 SDG Number: 03C1558180

List Source: Eurofins Midland

List Creation: 02/22/23 12:07 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4155 List Number: 2 Creator: Rodriguez, Leticia

| 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 | N/A | |

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



Environment Testing

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PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/27/2023 5:14:28 PM Revision 1

ANALYTICAL REPORT

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558180

JOB NUMBER

890-4156-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.
Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/27/2023 5:14:28 PM Revision 1

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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| Chain of Custody | 26 |
| Receipt Checklists | 27 |
| | |

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| | Definitions/Glossary |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Ensolu | um Job ID: 890-4156-1 |
| Project/Site: A | ADU 641 SDG: 03C1558180 |
| Qualifiers | |
| | |
| GC VOA Qualifier | Qualifier Description |
| | Indicates the analyte was analyzed for but not detected. |
| • | |
| GC Semi VOA | |
| Qualifier | Qualifier Description |
| S1+ U | Surrogate recovery exceeds control limits, high biased. |
| | Indicates the analyte was analyzed for but not detected. |
| HPLC/IC | |
| Qualifier | Qualifier Description |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not |
| F1 | applicable. MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |
| | |
| Glossary | |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit Procumptive |
| PRES | Presumptive Quality Control |
| QC RER | Quality Control Relative Error Ratio (Radiochemistry) |
| | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) Relative Percent Difference, a measure of the relative difference between two points |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

.

Case Narrative

Job ID: 890-4156-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4156-1

REVISION

The report being provided is a revision of the original report sent on 2/23/2023. The report (revision 1) is being revised due to Per client email, took sample PH03B off hold..

Report revision history

Receipt

The samples were received on 2/20/2023 2:31 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 2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH03 (890-4156-1), PH03A (890-4156-2) and PH03B (890-4156-3).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-47117/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46940 and analytical batch 880-46950 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47204 and analytical batch 880-47258 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-4156-1 SDG: 03C1558180

Client Sample Results

Client: Ensolum Project/Site: ADU 641

Client Sample ID: PH03 Date Collected: 02/20/23 12:55

Lab Sample ID: 890-4156-1

Matrix: Solid

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| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------|-------|---|----------------------------|----------------------------------------------|--------|
| Benzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| Toluene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| Ethylbenzene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| o-Xylene | <0.00198 | U | 0.00198 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| Xylenes, Total | <0.00397 | U | 0.00397 | mg/Kg | | 02/22/23 09:33 | 02/23/23 09:10 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 09:10 | |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 09:10 | |
| Method: TAL SOP Total BTEX | (- Total BTE | X Calculat | ion | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00397 | U | 0.00397 | mg/Kg | | | 02/23/23 12:22 | |
| Method: SW846 8015 NM - Di | osol Rango | Organics (| | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | · | 02/23/23 11:59 | |
| Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over | <49.9 | | | mg/Kg | | Prepared 02/22/23 16:36 | Analyzed 02/23/23 03:49 02/23/23 03:49 | Dil F |
| (GRO)-C6-C10 | | | | | | | | |
| C10-C28) | | | | 0.0 | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/22/23 16:36 | 02/23/23 03:49 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil F |
| 1-Chlorooctane | 94 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 03:49 | |
| p-Terphenyl | 95 | | 70 - 130 | | | 02/22/23 16:36 | 02/23/23 03:49 | |
| Method: EPA 300.0 - Anions, | Ion Chroma | tography - | Soluble | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil F |
| Chlavida | 2080 | | 25.3 | mg/Kg | | | 02/22/23 14:52 | |
| Chloride | | | | | | | | |
| | | | | | | Lab Samp | le ID: 890-4 | 156 |
| lient Sample ID: PH03A ate Collected: 02/20/23 13:00 ate Received: 02/20/23 14:31 | | | | | | Lab Samp | le ID: 890-4 Matrix | |
| lient Sample ID: PH03A ate Collected: 02/20/23 13:00 ate Received: 02/20/23 14:31 ample Depth: 28' | | Compound | ts (GC) | | | Lab Samp | | |
| ilient Sample ID: PH03A ate Collected: 02/20/23 13:00 ate Received: 02/20/23 14:31 ample Depth: 28' Method: SW846 8021B - Vola Analyte | tile Organic | Compound Qualifier | ds (GC) RL | Unit | D | Lab Samp | | |

| Surrogate 4-Bromofluorobenzene (Surr) | %Recovery 111 | Qualifier | Limits 70 - 130 | | Prepared 02/22/23 09:33 | Analyzed 02/23/23 09:31 | Dil Fac |
|------------------------------------------|-------------------------|-----------|--------------------|-------|----------------------------|----------------------------|---------|
| Aylenes, Iotal | <0.00402 | 0 | | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | I |
| Xylenes, Total | < 0.00402 | | 0.00402 | 00 | 02/22/22 00.22 | 02/23/23 09:31 | 1 |
| o-Xylene | < 0.00201 | U | 0.00201 | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | 1 |
| m-Xylene & p-Xylene | < 0.00402 | U | 0.00402 | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | 1 |
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | 02/22/23 09:33 | 02/23/23 09:31 | 1 |
| | | | | | | | |

Eurofins Carlsbad

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Job ID: 890-4156-1 SDG: 03C1558180

Client Sample ID: PH03A Date Collected: 02/20/23 13:00

Client: Ensolum

Project/Site: ADU 641

| Matrix: | Solid |
|---------|-------|
| | |

| Date Received: 02/20/23 14:31 Sample Depth: 28' | | | | | | | | | 4 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|---------------------------------------------------------------|---------------|----------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------|---------------------|
| Method: SW846 8021B - Volat | tile Organic (| Compound | ds (GC) (Contini | (ber | | | | | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 09:31 | 1 | |
| Method: TAL SOP Total BTEX | (- Total BTE) | X Calculat | ion | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/23/23 12:22 | 1 | 8 |
| | esel Range (| Organics (| DRO) (GC) | | | | | | Q |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | 3 |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/23/23 11:59 | 1 | |
| | Diesel Range | • Organics | (DRO) (GC) | | | | | | |
| | - | | | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <50.0 | | RL 50.0 | Unit mg/Kg | <u> </u> | Prepared 02/22/23 16:36 | Analyzed 02/23/23 04:10 | Dil Fac 1 | |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | | U | | | <u>D</u> | | 02/23/23 04:10 | | 1 |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | <u>D</u> | 02/22/23 16:36 | 02/23/23 04:10 02/23/23 04:10 | | 11 12 13 |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | <50.0 <50.0 | U U U | 50.0 | mg/Kg | <u> </u> | 02/22/23 16:36 02/22/23 16:36 | 02/23/23 04:10 02/23/23 04:10 | | 1 1 1 1 |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | <50.0 <50.0 <50.0 | U U U | 50.0 50.0 50.0 | mg/Kg | <u> </u> | 02/22/23 16:36 02/22/23 16:36 02/22/23 16:36 | 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 | 1 1 1 | 1 12 13 14 |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | <50.0 <50.0 <50.0 %Recovery | U U U | 50.0 50.0 50.0 <i>Limits</i> | mg/Kg | <u>D</u> | 02/22/23 16:36 02/22/23 16:36 02/22/23 16:36 Prepared | 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 | 1 1 1 | 1 1 1 1 |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | <50.0 <50.0 <50.0 %Recovery 84 87 | U U U Qualifier | 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 | mg/Kg | <u> </u> | 02/22/23 16:36 02/22/23 16:36 02/22/23 16:36 Prepared 02/22/23 16:36 | 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 | 1 1 1 | 1 1: 1: |
| Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | <50.0 <50.0 <50.0 %Recovery 84 87 Ion Chromat | U U U Qualifier | 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 | mg/Kg | <u>D</u> | 02/22/23 16:36 02/22/23 16:36 02/22/23 16:36 Prepared 02/22/23 16:36 | 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 02/23/23 04:10 | 1 1 1 | 1 1: 1: |

Client Sample ID: PH03B Date Collected: 02/20/23 13:05

Date Received: 02/20/23 14:31 Sample Depth: 30'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|----------------|------------|-----------|-------|---|----------------|----------------|---------|
| Benzene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| 1,4-Difluorobenzene (Surr) | 93 | | 70 - 130 | | | 02/23/23 09:25 | 02/24/23 04:14 | 1 |
| Method: TAL SOP Total BT | EX - Total BTE | X Calculat | ion | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/24/23 14:46 | 1 |
| Method: SW846 8015 NM - | Diesel Range | Organics (| DRO) (GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 02/24/23 13:21 | |

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Lab Sample ID: 890-4156-3

Matrix: Solid

Released to Imaging: 8/30/2023 11:15:58 AM

Job ID: 890-4156-1 SDG: 03C1558180

Matrix: Solid

5

Lab Sample ID: 890-4156-3

Client Sample ID: PH03B

Client: Ensolum

Project/Site: ADU 641

Date Collected: 02/20/23 13:05 Date Received: 02/20/23 14:31 Sample Depth: 30'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------------|-------------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | mg/Kg | | 02/23/23 17:07 | 02/24/23 05:41 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/23/23 17:07 | 02/24/23 05:41 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/23/23 17:07 | 02/24/23 05:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 87 | | 70 - 130 | | | 02/23/23 17:07 | 02/24/23 05:41 | 1 |
| o-Terphenyl | 99 | | 70 - 130 | | | 02/23/23 17:07 | 02/24/23 05:41 | 1 |
| Mothed: EDA 200.0 Anione | Ion Chromat | ography - | Soluble | | | | | |
| Method: EPA 300.0 - Anions, I | | | | | _ | Burnard | A | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |

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id <u>Dil Fac</u>

Surrogate Summary

Client: Ensolum Project/Site: ADU 641

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

| BFB1 DFBZ1 Lab Sample ID Client Sample ID (70-130) (70-130) 880-24905-A-79-D MS Matrix Spike 111 112 880-24905-A-79-E MSD Matrix Spike Duplicate 119 113 880-24920-A-1-D MS Matrix Spike 118 105 880-24920-A-1-E MSD Matrix Spike 118 105 880-24920-A-1-E MSD Matrix Spike Duplicate 115 96 890-4156-1 PH03 112 110 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-46933/2-A Lab Control Sample Dup 100 104 MB 880-46926/8 Method Blank 105 105 MB 880-47001/2-A Lab Control Sample Dup 104 MB 880-47001/5-A MB 880-47001/5-A Method Blank 76 87 MB 880-470 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 880-24905-A-79-D MS Matrix Spike 111 112 880-24905-A-79-E MSD Matrix Spike Duplicate 119 113 880-24920-A-1-D MS Matrix Spike 118 105 880-24920-A-1-E MSD Matrix Spike Duplicate 115 96 890-4156-1 PH03 112 110 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample 109 113 LCSD 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend Surrogate Legend Surrogate Legend Surrogate Legend | |
| 880-24905-A-79-E MSD Matrix Spike Duplicate 119 113 880-24920-A-1-D MS Matrix Spike 118 105 880-24920-A-1-E MSD Matrix Spike Duplicate 115 96 890-4156-1 PH03 112 110 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-46933/2-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | |
| 880-24920-A-1-D MS Matrix Spike 118 105 880-24920-A-1-E MSD Matrix Spike Duplicate 115 96 890-4156-1 PH03 112 110 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-46933/2-A Lab Control Sample 122 100 LCS 880-46933/2-A Lab Control Sample Dup 109 113 LCS 880-46933/2-A Lab Control Sample Dup 109 113 LCS 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47001/5-A Method Blank 78 94 Surrogate Legend Surrogate Legend Surrogate Legend Surrogate Legend | • |
| 880-24920-A-1-E MSD Matrix Spike Duplicate 115 96 890-4156-1 PH03 112 110 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-46933/2-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 109 113 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 100 104 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend Surrogate Legend Surrogate Legend Surrogate Legend | |
| 890-4156-1 PH03 112 110 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-46933/2-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 100 104 MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | pike |
| 890-4156-2 PH03A 111 113 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 100 104 MB 880-46926/8 Method Blank 105 105 MB 880-47001/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | pike Duplicate |
| 890-4156-3 PH03B 114 93 LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 109 113 LCSD 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | |
| LCS 880-46933/1-A Lab Control Sample 110 113 LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 100 104 MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | |
| LCS 880-47007/1-A Lab Control Sample 122 100 LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 110 104 MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | |
| LCSD 880-46933/2-A Lab Control Sample Dup 109 113 LCSD 880-47007/2-A Lab Control Sample Dup 110 104 MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend | ntrol Sample |
| LCSD 880-47007/2-A Lab Control Sample Dup 110 104 MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend Surrogate Legend Surrogate Legend Surrogate Legend | ntrol Sample |
| MB 880-46926/8 Method Blank 105 105 MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 | ntrol Sample Du |
| MB 880-46933/5-A Method Blank 105 104 MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend Vertice Vertice Vertice | ntrol Sample Du |
| MB 880-47001/5-A Method Blank 76 87 MB 880-47007/5-A Method Blank 78 94 Surrogate Legend | Blank |
| MB 880-47007/5-A Method Blank 78 94 Surrogate Legend | Blank |
| Surrogate Legend | Blank |
| | Blank |
| BFB = 4-Bromofluorobenzene (Surr) | |
| | r) |
| DFBZ = 1,4-Difluorobenzene (Surr) | |

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

| _ | | | Perc | ent Surrogate Recove |
|--------------------|------------------------|----------|----------|----------------------|
| | | 1CO1 | OTPH1 | - |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-4138-A-1-D MS | Matrix Spike | 99 | 97 | |
| 890-4138-A-1-E MSD | Matrix Spike Duplicate | 101 | 100 | |
| 890-4153-A-1-G MS | Matrix Spike | 117 | 104 | |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | 98 | 89 | |
| 890-4156-1 | PH03 | 94 | 95 | |
| 890-4156-2 | PH03A | 84 | 87 | |
| 890-4156-3 | PH03B | 87 | 99 | |
| LCS 880-46977/2-A | Lab Control Sample | 98 | 88 | |
| LCS 880-47117/2-A | Lab Control Sample | 97 | 104 | |
| LCSD 880-46977/3-A | Lab Control Sample Dup | 100 | 91 | |
| LCSD 880-47117/3-A | Lab Control Sample Dup | 95 | 103 | |
| MB 880-46977/1-A | Method Blank | 126 | 127 | |
| MB 880-47117/1-A | Method Blank | 132 S1+ | 155 S1+ | |

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Job ID: 890-4156-1 SDG: 03C1558180

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 46933

Prep Type: Total/NA

Client: Ensolum Project/Site: ADU 641

Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-46926/8 |
|-------------------------------|
| Matrix: Solid |
| Analysis Batch: 46926 |

| | MB | MB | | | | | | |
|-----------------------------|-----------|-----------|----------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | | 02/22/23 13:39 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | | 02/22/23 13:39 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | | 02/22/23 13:39 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | | 02/22/23 13:39 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | | 02/22/23 13:39 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | | 02/22/23 13:39 | 1 |
| | MB | MB | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | - | | 02/22/23 13:39 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | | 02/22/23 13:39 | 1 |

Lab Sample ID: MB 880-46933/5-A Matrix: Solid Analysis Batch: 46926

| | MB | MB | | | | | | |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | < 0.00200 | U | 0.00200 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| | MB | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 | | | 02/22/23 09:33 | 02/23/23 01:41 | 1 |

Lab Sample ID: LCS 880-46933/1-A Matrix: Solid Analysis Batch: 46926

| Analysis Batch: 46926 | | | | | Prep Batch: 469 | | | |
|-----------------------|-------|---------|-----------|-------|-----------------|------|----------|--|
| | Spike | LCS | LCS | | | | %Rec | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.1029 | | mg/Kg | | 103 | 70 - 130 | |
| Toluene | 0.100 | 0.09799 | | mg/Kg | | 98 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1052 | | mg/Kg | | 105 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2284 | | mg/Kg | | 114 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1113 | | mg/Kg | | 111 | 70 - 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 |

| Lab Sample ID: LCSD 880-46933/2-A | | Client Sample ID: Lab Control Sample Dup | | | | | | | | | |
|-----------------------------------|-------|------------------------------------------|-----------|-------|---|------|----------|----------|-------|--|--|
| Matrix: Solid | | | | | | | Prep Ty | pe: Tot | al/NA | | |
| Analysis Batch: 46926 | | | | | | | Prep E | Batch: 4 | 46933 | | |
| | Spike | LCSD | LCSD | | | | %Rec | | RPD | | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | | |
| Benzene | 0.100 | 0.1044 | | mg/Kg | | 104 | 70 - 130 | 1 | 35 | | |

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Client: Ensolum

Project/Site: ADU 641

QC Sample Results

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

| | | C | Client Sa | nple | ID: Lab | Prep Ty | pe: Tot | al/NA |
|-------|-------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 | 3 | 35 |
| 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 | 0 | 35 |
| 0.200 | 0.2261 | | mg/Kg | | 113 | 70 - 130 | 1 | 35 |
| 0.100 | 0.1105 | | mg/Kg | | 110 | 70 - 130 | 1 | 35 |
| - | Added 0.100 0.100 0.200 | Added Result 0.100 0.1007 0.100 0.1051 0.200 0.2261 | Spike LCSD LCSD Added Result Qualifier 0.100 0.1007 0.1007 0.100 0.1051 0.200 | Spike LCSD LCSD Added Result Qualifier Unit 0.100 0.1007 mg/Kg 0.100 0.1051 mg/Kg 0.200 0.2261 mg/Kg | Spike LCSD LCSD Added Result Qualifier Unit D 0.100 0.1007 mg/Kg D 0.100 0.1051 mg/Kg D 0.200 0.2261 mg/Kg D | Spike LCSD LCSD Added Result Qualifier Unit D %Rec 0.100 0.1007 mg/Kg 101 0.100 0.1051 mg/Kg 105 0.200 0.2261 mg/Kg 113 | Spike LCSD LCSD Unit D %Rec Added Result Qualifier Unit D %Rec Limits 0.100 0.1007 mg/Kg 101 70-130 0.100 0.1051 mg/Kg 105 70-130 0.200 0.2261 mg/Kg 113 70-130 | Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.1007 mg/Kg 101 70-130 3 0.100 0.1051 mg/Kg 105 70-130 0 0.200 0.2261 mg/Kg 113 70-130 1 |

| | LUSD | LUSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 |

Lab Sample ID: 880-24905-A-79-D MS Matrix: Solid Analysis Batch: 46926

| Analysis Batch: 46926 | | | | | | | | | Prep Batch: 46933 |
|-----------------------|----------|-----------|-------|--------|-----------|-------|---|------|-------------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | <0.00200 | U | 0.101 | 0.1098 | | mg/Kg | | 109 | 70 - 130 |
| Toluene | <0.00200 | U | 0.101 | 0.1066 | | mg/Kg | | 106 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.101 | 0.1125 | | mg/Kg | | 111 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.202 | 0.2429 | | mg/Kg | | 120 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.101 | 0.1187 | | mg/Kg | | 117 | 70 - 130 |

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 112 | | 70 - 130 |

Lab Sample ID: 880-24905-A-79-E MSD Matrix: Solid Analysis Batch: 46926

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---------------------|----------|-----------|--------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00200 | U | 0.0994 | 0.1097 | | mg/Kg | | 110 | 70 - 130 | 0 | 35 |
| Toluene | <0.00200 | U | 0.0994 | 0.1076 | | mg/Kg | | 108 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0994 | 0.1143 | | mg/Kg | | 115 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.199 | 0.2473 | | mg/Kg | | 124 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00200 | U | 0.0994 | 0.1213 | | mg/Kg | | 122 | 70 - 130 | 2 | 35 |
| | | | | | | | | | | | |

| | MSD | MSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 119 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 |

Lab Sample ID: MB 880-47001/5-A Matrix: Solid Analysis Batch: 47000

MB MB Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac 0.00200 02/23/23 08:38 02/23/23 11:47 Benzene <0.00200 U mg/Kg 1 Toluene <0.00200 U 0.00200 mg/Kg 02/23/23 08:38 02/23/23 11:47 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 02/23/23 08:38 02/23/23 11:47 1 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 02/23/23 08:38 02/23/23 11:47 1

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Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 46933

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 47001 Client: Ensolum

Project/Site: ADU 641

QC Sample Results

| Lab Sample ID: MB 880-470 Matrix: Solid | 001/5-A | | | | | | • | | le ID: Methoo Prep Type: To | |
|--------------------------------------------|-----------|-----------|----------|---------|-----------|-------|----|----------------|--------------------------------|--------|
| Analysis Batch: 47000 | | | | | | | | | Prep Batch | |
| | MB | МВ | | | | | | | | |
| Analyte | Result | Qualifier | RL | - | Unit | | D | Prepared | Analyzed | Dil Fa |
| o-Xylene | <0.00200 | U | 0.00200 |) | mg/K | g | | 02/23/23 08:38 | 02/23/23 11:47 | |
| Xylenes, Total | <0.00400 | U | 0.00400 |) | mg/K | g | | 02/23/23 08:38 | 02/23/23 11:47 | |
| | MB | МВ | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | | <u> </u> | 70 - 130 | - | | | - | 02/23/23 08:38 | | |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 | | | | | 02/23/23 08:38 | 02/23/23 11:47 | |
| Lab Sample ID: MB 880-470 | 007/5-A | | | | | | (| Client Samp | le ID: Method | l Blan |
| Matrix: Solid | | | | | | | | | Prep Type: To | |
| Analysis Batch: 47000 | | | | | | | | | Prep Batch | |
| - | MB | MB | | | | | | | | |
| Analyte | Result | Qualifier | RL | - | Unit | | D | Prepared | Analyzed | Dil Fa |
| Benzene | <0.00200 | U | 0.00200 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| Toluene | <0.00200 | U | 0.00200 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| Ethylbenzene | <0.00200 | U | 0.00200 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| o-Xylene | <0.00200 | U | 0.00200 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| Xylenes, Total | <0.00400 | U | 0.00400 |) | mg/K | g | | 02/23/23 09:25 | 02/23/23 23:25 | |
| | MB | МВ | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | _ | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 78 | | 70 - 130 | | | | | 02/23/23 09:25 | 02/23/23 23:25 | |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | | | | | 02/23/23 09:25 | 02/23/23 23:25 | |
| Lab Sample ID: LCS 880-47 | 7007/1-A | | | | | Clie | nt | Sample ID: | Lab Control S | Sampl |
| Matrix: Solid | | | | | | | | | Prep Type: To | otal/N |
| Analysis Batch: 47000 | | | | | | | | | Prep Batch | 4700 |
| - | | | Spike | LCS | LCS | | | | %Rec | |
| Analyte | | | Added | Result | Qualifier | Unit | | D %Rec | Limits | |
| Benzene | | | 0.100 | 0.09393 | | mg/Kg | | 94 | 70 - 130 | |
| Toluene | | | 0.100 | 0.09350 | | mg/Kg | | 93 | 70 - 130 | |
| Ethylbenzene | | | 0.100 | 0.1024 | | mg/Kg | | 102 | 70 - 130 | |
| | | | | | | | | | | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 122 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCSD 880-47007/2-A Matrix: Solid Analysis Batch: 47000

m-Xylene & p-Xylene

o-Xylene

| Analysis Batch: 47000 | | | | | | | Prep E | Batch: 4 | 47007 |
|-----------------------|-------|---------|-----------|-------|---|------|----------|----------|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.08161 | | mg/Kg | | 82 | 70 - 130 | 14 | 35 |
| Toluene | 0.100 | 0.08564 | | mg/Kg | | 86 | 70 - 130 | 9 | 35 |
| Ethylbenzene | 0.100 | 0.09059 | | mg/Kg | | 91 | 70 - 130 | 12 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1900 | | mg/Kg | | 95 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.09988 | | mg/Kg | | 100 | 70 - 130 | 16 | 35 |

0.200

0.100

0.2149

0.1176

mg/Kg

mg/Kg

107

118

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

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Prep Type: Total/NA

Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: 880-24920-A-1-D MS Matrix: Solid

Analysis Batch: 47000

| Analysis Batch: 47000 | | | | | | | | | | tch: 47007 |
|-----------------------|-----------|-----------|-------|---------|-----------|-------|---|------|----------|------------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | < 0.00200 | U | 0.100 | 0.09590 | | mg/Kg | | 96 | 70 - 130 | |
| Toluene | <0.00200 | U | 0.100 | 0.09571 | | mg/Kg | | 94 | 70 - 130 | |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.1007 | | mg/Kg | | 99 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.00399 | U | 0.201 | 0.2081 | | mg/Kg | | 102 | 70 - 130 | |
| o-Xylene | <0.00200 | U | 0.100 | 0.1062 | | mg/Kg | | 105 | 70 - 130 | |
| | MS | MS | | | | | | | | |
| 0 | 0/ 8 | 0 | 1 | | | | | | | |

| very Qua | lifier Limits | |
|----------|---------------|---------------------|
| 118 | 70 - 13 | 0 |
| 105 | 70 - 13 | 0 |
| | 118 | 118 70 - 13 |

Lab Sample ID: 880-24920-A-1-E MSD Matrix: Solid Analysis Batch: 47000

| Analysis Batch: 47000 | | | | | | | | | Prep E | Batch: 4 | 17007 |
|-----------------------------|-----------|-----------|----------|---------|-----------|-------|---|------|----------|----------|--------------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00200 | U | 0.0990 | 0.08695 | | mg/Kg | | 88 | 70 - 130 | 10 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.08891 | | mg/Kg | | 89 | 70 - 130 | 7 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0990 | 0.09431 | | mg/Kg | | 94 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.198 | 0.1968 | | mg/Kg | | 98 | 70 - 130 | 6 | 35 |
| o-Xylene | <0.00200 | U | 0.0990 | 0.09940 | | mg/Kg | | 99 | 70 - 130 | 7 | 35 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 | | | | | | | | |

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

| Lab Sample ID: MB 880-4697 Matrix: Solid Analysis Batch: 46917 | | | | | | | le ID: Methoo Prep Type: To Prep Batch: | otal/NA |
|----------------------------------------------------------------------|--------------|-----------------|----------|-------|---|----------------|-----------------------------------------------|---------|
| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | | 50.0 | mg/Kg | | <u> </u> | 02/22/23 21:03 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 02/22/23 16:36 | 02/22/23 21:03 | 1 |
| Oll Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/22/23 16:36 | 02/22/23 21:03 | 1 |
| | МВ | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 126 | | 70 - 130 | | | 02/22/23 16:36 | 02/22/23 21:03 | 1 |
| o-Terphenyl | 127 | | 70 - 130 | | | 02/22/23 16:36 | 02/22/23 21:03 | 1 |

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Job ID: 890-4156-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCS 880 | -46977/2-A | | | | | Clier | it Sar | nple ID | : Lab Cor | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|------------------------|------------------|----------|--------|-------------------------------|----------------------------------------------------------------|-----------------------------------------|---------------------------|
| Matrix: Solid | | | | | | | | | Prep Ty | pe: Tot | al/N/ |
| Analysis Batch: 46917 | | | | | | | | | Prep E | Batch: 4 | 1697 |
| | | | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics | | | 1000 | 832.8 | | mg/Kg | | 83 | 70 - 130 | | |
| (GRO)-C6-C10 | | | | | | | | | | | |
| Diesel Range Organics (Over | | | 1000 | 815.4 | | mg/Kg | | 82 | 70 - 130 | | |
| C10-C28) | | | | | | | | | | | |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 98 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 88 | | 70 - 130 | | | | | | | | |
| | 0 40077/2 4 | | | | | | | | Control | 0 | . D |
| Lab Sample ID: LCSD 88 | 0-409/7/3-A | | | | | ment Sa | npie | ID: Lab | Control | | |
| Matrix: Solid | | | | | | | | | Prep Ty | | |
| Analysis Batch: 46917 | | | Sniko | | LCSD | | | | %Rec | Batch: 4 | 1697 RF |
| Analyta | | | Spike Added | | Qualifier | Unit | D | %Rec | %Rec Limits | RPD | |
| Analyte Gasoline Range Organics | | | 1000 | 878.3 | Quaimer | mg/Kg | | 88 - | 70 - 130 | 5 | Lin |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 010.3 | | iliy/rxy | | 00 | 10-130 | 5 | |
| Diesel Range Organics (Over | | | 1000 | 830.0 | | mg/Kg | | 83 | 70 - 130 | 2 | |
| C10-C28) | | | | | | 5.5 | | | | _ | |
| | 1.000 | LCSD | | | | | | | | | |
| Surrogata | %Recovery | | Limits | | | | | | | | |
| Surrogate 1-Chlorooctane | | Quaimer | 70 - 130 | | | | | | | | |
| o-Terphenyl | 91 | | 70 - 130 70 - 130 | | | | | | | | |
| Matrix: Solid | | | | | | | | | Prep Ty | | |
| Analysis Batch: 46917 | | | | | | | | | | Batch: 4 | 1697 |
| | • | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 860.3 | | mg/Kg | | 84 | 70 - 130 | | |
| Diesel Range Organics (Over | 59.4 | | | | | | | | | | |
| C10-C28) | | | 998 | 1043 | | mg/Kg | | 99 | 70 - 130 | | |
| C10-C28) | | MS | 998 | 1043 | | mg/Kg | | 99 | 70 - 130 | | |
| | MS | | | 1043 | | mg/Kg | | 99 | 70 - 130 | | |
| Surrogate | | | 998 | 1043 | | mg/Kg | | 99 | 70 - 130 | | |
| Surrogate 1-Chlorooctane | MS %Recovery | | Limits | 1043 | | mg/Kg | | 99 | 70 - 130 | | |
| Surrogate 1-Chlorooctane o-Terphenyl | MS %Recovery 117 104 | | Limits | 1043 | | | | | | | |
| Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-4153 | MS %Recovery 117 104 | | Limits | 1043 | | | amp | | latrix Spil | | |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid | MS %Recovery 117 104 | | Limits | 1043 | | | Samp | | latrix Spil Prep Ty | pe: Tot | al/N |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid | MS <u>%Recovery</u> 117 104 8-A-1-H MSD | Qualifier | Limits 70 - 130 70 - 130 | | | | Samp | | latrix Spil Prep Ty Prep E | | al/N 1697 |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 | MS <u>%Recovery</u> 117 104 3-A-1-H MSD Sample | <u>Qualifier</u> Sample | Limits 70 - 130 70 - 130 Spike | MSD | MSD | Client S | | le ID: N | latrix Spil Prep Ty Prep E %Rec | pe: Tot Batch: 4 | al/N 1697 RF |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 Analyte | MS <u>%Recovery</u> 117 104 B-A-1-H MSD Sample Result | <u>Qualifier</u> Sample Qualifier | Limits 70 - 130 70 - 130 Spike Added | MSD Result | MSD Qualifier | Client S | Sampl | le ID: N %Rec | latrix Spil Prep Ty Prep E %Rec Limits | pe: Tota Batch: 4 | al/N 1697 RF Lin |
| C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 | MS <u>%Recovery</u> 117 104 3-A-1-H MSD Sample <u>Result</u> <50.0 | <u>Qualifier</u> Sample Qualifier | Limits 70 - 130 70 - 130 Spike Added 997 | MSD Result 988.5 | | Client S | | le ID: N | latrix Spil Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot Batch: 4 <u>RPD</u> 14 | al/N 4697 RF Lin |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | MS <u>%Recovery</u> 117 104 B-A-1-H MSD Sample Result | <u>Qualifier</u> Sample Qualifier | Limits 70 - 130 70 - 130 Spike Added | MSD Result | | Client S | | le ID: N %Rec | latrix Spil Prep Ty Prep E %Rec Limits | pe: Tota Batch: 4 | al/N 4697 RF Lin |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | MS <u>%Recovery</u> 117 104 8-A-1-H MSD Sample <u>Result</u> <50.0 59.4 | <u>Qualifier</u> Sample Qualifier | Limits 70 - 130 70 - 130 Spike Added 997 | MSD Result 988.5 | | Client S | | le ID: N <u>%Rec</u> 97 | latrix Spil Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot Batch: 4 <u>RPD</u> 14 | al/N 4697 RF Lin |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4153 Matrix: Solid Analysis Batch: 46917 Analyte Gasoline Range Organics | MS <u>%Recovery</u> 117 104 8-A-1-H MSD Sample <u>Result</u> <50.0 59.4 | Qualifier Sample Qualifier U | Limits 70 - 130 70 - 130 Spike Added 997 | MSD Result 988.5 | | Client S | | le ID: N <u>%Rec</u> 97 | latrix Spil Prep Ty Prep E %Rec Limits 70 - 130 | pe: Tot Batch: 4 <u>RPD</u> 14 | al/N 1697 RF |

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Job ID: 890-4156-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: 890-4153-A- Matrix: Solid Analysis Batch: 46917 | 1-H MSD | | | | | | | Client | Samı | ole ID: Ma | atrix Spike Prep Type Prep Ba | e: Tot | tal/NA |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------|-----------|------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------------|------------------------|----------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|
| - | MSD %Recovery | | | Limits | | | | | | | Перва | | |
| o-Terphenyl | 89 | | | 70 - 130 | | | | | | | | | |
| | | | | | | | | | | | | | |
| Lab Sample ID: MB 880-471 | 17/1-A | | | | | | | | Cli | ent Samp | ole ID: Met | | |
| Matrix: Solid | | | | | | | | | | | Prep Type | | |
| Analysis Batch: 46994 | | MD | мв | | | | | | | | Prep Ba | itch: | 4/11/ |
| Analyta | Pa | | Qualifier | | RL | | Unit | r |) | Proparad | Analyza | А | Dil Fac |
| Analyte Gasoline Range Organics | | 50.0 | - | | 50.0 | | mg/K | | | Prepared | Analyze 02/23/23 20 | | |
| (GRO)-C6-C10 | | 50.0 | 5 | | 50.0 | | iiig/K | 9 | 02/ | 20120 11.01 | JZ12J12J 20 | 5.00 | 1 |
| Diesel Range Organics (Over C10-C28) | < | :50.0 | U | | 50.0 | | mg/K | g | 02/ | 23/23 17:07 | 02/23/23 20 | 0:30 | 1 |
| Oll Range Organics (Over C28-C36) | < | 50.0 | U | | 50.0 | | mg/K | g | 02/ | 23/23 17:07 | 02/23/23 20 | 0:30 | 1 |
| | | MR | MB | | | | | | | | | | |
| Surrogate | %Reco | | Qualifier | Limi | its | | | | | Prepared | Analyze | d | Dil Fac |
| 1-Chlorooctane | | - | S1+ | | | | | | | | 02/23/23 20 | | 1 |
| o-Terphenyl | | | S1+ | 70 - 1 | | | | | | | 02/23/23 20 | | 1 |
| Matrix: Solid | 117/2-A | | | Spiko | | 1.05 | | Cile | nt Sa | mple ID: | Prep Type Prep Ba | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 | 117/2-A | | | Spike Added | | | LCS Qualifier | Unit | D | | Prep Type | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics | 117/2-A | | | | | | | | | | Prep Type Prep Ba %Rec | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 117/2-A | | | Added | | Result | | Unit | | %Rec | Prep Type Prep Ba %Rec Limits | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | 117/2-A | LCS | | Added 1000 | | Result 1169 | | Unit mg/Kg | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | | | | Added 1000 | | Result 1169 | | Unit mg/Kg | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: Tot | al/NA |
| Lab Sample ID: LCS 880-47 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane | LCS %Recovery 97 | | | Added 1000 1000 | | Result 1169 | | Unit mg/Kg | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane | LCS %Recovery | | | Added 1000 1000 <i>Limits</i> | | Result 1169 | | Unit mg/Kg | | %Rec | Prep Type Prep Ba %Rec Limits 70 - 130 | e: Tot | al/NA |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 | | Result 1169 | Qualifier | Unit mg/Kg mg/Kg | <u>D</u> | %Rec 117 - | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 | e: Tot atch: / | e Dup |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 | | Result 1169 | Qualifier | Unit mg/Kg mg/Kg | <u>D</u> | %Rec 117 - | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 | e: Tot atch: / | e Dup tal/NA |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 | | Result 1169 1008 | Qualifier | Unit mg/Kg mg/Kg | <u>D</u> | %Rec 117 - | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 | e: Tot atch: / | e Dup tal/NA 47117 |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 | | Result 1169 1008 | Qualifier | Unit mg/Kg mg/Kg | D | <u>%Rec</u> 117 101 • ID: Lab | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 Prep Type Prep Ba %Rec | ample atch: 4 e: Tot atch: 4 | e Dup tal/NA 47117 |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added | | Result 1169 1008 LCSD Result | Qualifier | Unit mg/Kg mg/Kg | <u>D</u> | <u>%Rec</u> 101 ID: Lab <u>%Rec</u> | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | ample atch: 4 e: Tot atch: 4 RPD | e Dup tal/NA 47117 e tal/NA 47117 RPD Limit |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added | | Result 1169 1008 LCSD Result 1067 | Qualifier | Unit mg/Kg mg/Kg | D | %Rec 117 101 * ID: Lab %Rec 107 | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type Prep Ba %Rec Limits 70 - 130 | ample atch: 4 e: Tot atch: 4 <u>RPD</u> 9 | e Dup tal/NA 47117 Eal/NA 47117 RPD Limit 20 |
| Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | LCS %Recovery 97 104 | | | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added | | Result 1169 1008 LCSD Result | Qualifier | Unit mg/Kg mg/Kg | D | <u>%Rec</u> 101 ID: Lab <u>%Rec</u> | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 | ample atch: 4 e: Tot atch: 4 RPD | e Dup tal/NA 47117 e tal/NA 47117 RPD Limit |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics | LCS %Recovery 97 104 | Qua | alifier | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added | | Result 1169 1008 LCSD Result 1067 | Qualifier | Unit mg/Kg mg/Kg | D | %Rec 117 101 * ID: Lab %Rec 107 | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type Prep Ba %Rec Limits 70 - 130 | ample atch: 4 e: Tot atch: 4 <u>RPD</u> 9 | e Dup tal/NA 47117 Eal/NA 47117 RPD Limit 20 |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | LCS <u>%Recovery</u> 97 104 • 7117/3-A | LCS | SD | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added | | Result 1169 1008 LCSD Result 1067 | Qualifier | Unit mg/Kg mg/Kg | D | %Rec 117 101 * ID: Lab %Rec 107 | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type Prep Ba %Rec Limits 70 - 130 | ample atch: 4 e: Tot atch: 4 <u>RPD</u> 9 | e Dup tal/NA 47117 Eal/NA 47117 RPD Limit 20 |
| Matrix: Solid Analysis Batch: 46994 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | LCS %Recovery 97 104 7 117/3-A | LCS | SD | Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 70 - 130 1000 | | Result 1169 1008 LCSD Result 1067 | Qualifier | Unit mg/Kg mg/Kg | D | %Rec 117 101 * ID: Lab %Rec 107 | Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type Prep Ba %Rec Limits 70 - 130 | ample atch: 4 e: Tot atch: 4 <u>RPD</u> 9 | e Dup tal/NA 47117 Eal/NA 47117 RPD Limit 20 |

Eurofins Carlsbad

Job ID: 890-4156-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: 890-4138 | -A-1-D NIS | | | | | | CI | ient Sa | mple ID: | | |
|------------------------------------------------------------------------------------------|-------------|---------------------|----------------|------------|------------------------|-----------|-----------|----------|-----------------------------------------|-----------------------------------------|--------|
| Matrix: Solid | | | | | | | | | Prep Ty | | |
| Analysis Batch: 46994 | Somple | Sampla | Spike | | S MS | | | | %Rec | Batch: | 4/11 |
| Analyte | | Sample Qualifier | Added | | s wis It Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics | <49.8 | | 1000 | 969 | | mg/Kg | | 92 | 70 - 130 | | |
| GRO)-C6-C10 | ~49.0 | 0 | 1000 | 909. | 0 | iiig/itg | | 92 | 70-130 | | |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 1000 | 936 | 4 | mg/Kg | | 92 | 70 - 130 | | |
| | MS | MS | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 1-Chlorooctane | 99 | | 70 - 130 | - | | | | | | | |
| p-Terphenyl | 97 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: 890-4138 Matrix: Solid Analysis Batch: 46994 | | Sample | Spike | MS | D MSD | Client S | Samp | le ID: N | latrix Spi Prep Ty Prep I %Rec | | tal/N |
| Analyte | | Qualifier | Added | Resu | It Qualifier | Unit | D | %Rec | Limits | RPD | Lim |
| Gasoline Range Organics GRO)-C6-C10 | <49.8 | | 1000 | 997. | 9 | mg/Kg | | 95 | 70 - 130 | 3 | |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 1000 | 967. | 7 | mg/Kg | | 95 | 70 - 130 | 3 | : |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | _ | | | | | | | |
| 1-Chlorooctane | 101 | | 70 - 130 | | | | | | | | |
| p-Terphenyl | 100 | | 70 - 130 | | | | | | | | |
| ethod: 300.0 - Anion | s, Ion Chro | omatogra | phy | | | | | | | | |
| ∟ab Sample ID: MB 880-4 Matrix: Solid | 6940/1-A | | | | | | Clie | ent Sam | ple ID: M Prep T | | |
| Analysis Batch: 46950 | | | | | | | | | | | |
| | | MB MB | _ | DI. | l l mi | | | | Amelia | | |
| Analyte Chloride | | 5.00 Uualifie | r | RL 5.00 | | | · _ P | repared | _ Analy 02/22/23 | | Dil Fa |
| shonde | | 5.00 0 | | 5.00 | mg/ | Ny | | | 02/22/23 | 14.00 | |
| _ab Sample ID: LCS 880- Matrix: Solid | 46940/2-A | | | | | Clier | nt Sai | mple ID | : Lab Cor Prep T | | |
| Analysis Batch: 46950 | | | | | | | | | | , , , , , , , , , , , , , , , , , , , , | orab |
| | | | Spike | LC | S LCS | | | | %Rec | | |
| Analyte | | | Added | | lt Qualifier | Unit | D | %Rec | Limits | | |
| | · | | 250 | 245 | | mg/Kg | | 98 | 90 - 110 | | |
| | | | | | | | | | | | |
| Chloride |)-46940/3-4 | | | | | Client Sa | mnie | ID. I ar |) Comroi | Samn | e |
| Chloride Lab Sample ID: LCSD 88(Matrix: Solid |)-46940/3-A | | | | | Client Sa | mpie | ID: Lac | Prep T | | |
| Chloride Lab Sample ID: LCSD 88(Matrix: Solid |)-46940/3-A | | Snika | 1.05 | | Client Sa | mpie | ID: Lac | Prep T | | olub |
| Chloride Lab Sample ID: LCSD 88(Matrix: Solid Analysis Batch: 46950 Analyte |)-46940/3-A | | Spike Added | - | D LCSD It Qualifier | | mpie D | %Rec | | | |

Client: Ensolum Project/Site: ADU 641

QC Sample Results

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Job ID: 890-4156-1 SDG: 03C1558180

Method: 300.0 - Anions, Ion Chromatography (Continued)

| Matrix: Solid | A-1-C MS | | | | | | | C | lient Sa | mple ID: I Prep Ty | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------|-----------------|------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Analysis Batch: 46950 | | | | | | | | | | | | |
| | Sample | Sam | ple | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | | lifier | Added | | Qualifier | Unit | D | | Limits | | |
| Chloride | 2090 | F1 | | 1260 | 3544 | F1 | mg/Kg | | 116 | 90 - 110 | | |
| Lab Sample ID: 890-4155- | A-1-D MSD | | | | | | Client S | amp | ole ID: N | latrix Spil | | |
| Matrix: Solid | | | | | | | | | | Prep Ty | ype: S | dulo |
| Analysis Batch: 46950 | . . | ~ | | • • | | | | | | ~ - | | |
| | Sample | | | Spike | _ | MSD | | _ | | %Rec | | RF |
| Analyte | Result | | lifier | Added | | Qualifier | Unit | D | | Limits | RPD | Lin |
| Chloride | 2090 | F1 | | 1260 | 3536 | F1 | mg/Kg | | 115 | 90 - 110 | 0 | |
| _ab Sample ID: 890-4162- Matrix: Solid | A-24-B MS | | | | | | | C | lient Sa | mple ID: I | | _ |
| | | | | | | | | | | Prep T | ype: 5 | auto |
| Analysis Batch: 46950 | 0 | 0 | | 0 | | MO | | | | 0/ D = = | | |
| A ma h séa | Sample | | • | Spike | - | MS Qualifiar | l lusit | - | 0/ D = = | %Rec | | |
| Analyte | Result | | IITIEr | Added | | Qualifier | Unit | <u>D</u> | | Limits | | |
| Chloride | 376 | F1 | | 248 | 584.2 | F1 | mg/Kg | | 84 | 90 - 110 | | |
| Lab Sample ID: 890-4162- Matrix: Solid | A-24-C MSD |) | | | | | Client S | amp | ole ID: N | latrix Spil Prep Ty | | |
| Analysis Batch: 46950 | | | | | | | | | | | | |
| | Sample | Sam | ple | Spike | MSD | MSD | | | | %Rec | | RF |
| Analyte | Result | | • | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Lir |
| Chloride | 376 | | | 248 | 615.7 | | mg/Kg | | 97 | 90 - 110 | 5 | |
| Matrix: Solid | 7204/1-A | | | | | | | Clie | ent Sam | nple ID: M Prep Ty | | |
| Matrix: Solid | 7204/1-A | МВ | МВ | | | | | Clie | ent Sarr | | | |
| Matrix: Solid Analysis Batch: 47258 | | | MB Qualifier | | RL | Unit | D | | ent Sarr Prepared | Prep Ty Analyz | ype: S ^{zed} | olub |
| Matrix: Solid Analysis Batch: 47258 Analyte | Re | | Qualifier | | RL 5.00 | Unit mg/K | | | | Prep T | ype: S ^{zed} | olub |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride | Re < | sult | Qualifier | | | | g | P | repared | Prep Ty Analyz | ype: S zed 17:34 | olub Dil F |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 | Re < | sult | Qualifier | | | | g | P | repared | Prep Ty <u>Analyz</u> | ype: S zed 17:34 | olub Dil F amp |
| Lab Sample ID: MB 880-4 Matrix: Solid Analysis Batch: 47258 Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 | Re < | sult | Qualifier | | | | g | P | repared | Prep Ty | ype: S zed 17:34 | olub Dil F amp |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid | Re < | sult | Qualifier | Spike | 5.00 | | g | P | repared | Prep Ty <u>Analyz</u> | ype: S zed 17:34 | olub Dil F amp |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 | Re < | sult | Qualifier | Spike Added | 5.00 LCS | mg/K | g | P t Sa | repared | Prep Ty | ype: S zed 17:34 | olub Dil F amp |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte | Re < | sult | Qualifier | | 5.00 LCS | mg/K | g Clien | P t Sa | repared | Analyz 02/26/23 Carl Lab Cor Prep Ty %Rec | ype: S zed 17:34 | olub Dil F amp |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride | Re < 47204/2-A | sult | Qualifier | Added | 5.00 LCS Result | LCS Qualifier | Clien Unit mg/Kg | P t Sa | mple ID | Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 | zed 17:34 htrol S ype: S | olub Dil F amp olub |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 | Re < 47204/2-A | sult | Qualifier | Added | 5.00 LCS Result | LCS Qualifier | Clien Unit mg/Kg | P t Sa | mple ID | Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 Control | zed 17:34 htrol S ype: S | olub Dil F amp olub |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid | Re < 47204/2-A | sult | Qualifier | Added | 5.00 LCS Result | LCS Qualifier | Clien Unit mg/Kg | P t Sa | mple ID | Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 | zed 17:34 htrol S ype: S | olub Dil F amp olub |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid | Re < 47204/2-A | sult | Qualifier | Added 250 | 5.00 LCS Result 247.6 | LCS Qualifier | Clien Unit mg/Kg | P t Sa | mple ID | Prep Ty Analyz 02/26/23 Carlos Correction Prep Ty %Rec Limits 90 - 110 Prep Ty Prep Ty | zed 17:34 htrol S ype: S | olub Dil F amp olub |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 | Re < 47204/2-A | sult | Qualifier | Added 250 Spike | 5.00 LCS Result 247.6 | LCS Qualifier LCSD | Clien Unit mg/Kg | P t Sa _ D nple | mple ID <u>%Rec</u> 99 | Prep Ty Analyz 02/26/23 Carlos Corr Prep Ty %Rec Limits 90 - 110 Control Prep Ty %Rec | ype: S zed 17:34 htrol S ype: S Sampl ype: S | olub Dil F amp olub le Du olub RF |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte | Re < 47204/2-A | sult | Qualifier | Added 250 Spike Added | 5.00 LCS Result 247.6 LCSD Result | LCS Qualifier | Clien Unit mg/Kg Client Sar Unit | P t Sa | mple ID %Rec 99 ID: Lat | Prep Ty Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 Control Prep Ty %Rec Limits | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> | olub Dil F amp olub le Du olub RF Lin |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte | Re < 47204/2-A | sult | Qualifier | Added 250 Spike | 5.00 LCS Result 247.6 | LCS Qualifier LCSD | Clien Unit mg/Kg | P t Sa _ D nple | mple ID <u>%Rec</u> 99 | Prep Ty Analyz 02/26/23 Carlos Corr Prep Ty %Rec Limits 90 - 110 Control Prep Ty %Rec | ype: S zed 17:34 htrol S ype: S Sampl ype: S | olub Dil F amp olub le Du olub RF Lin |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: 880-25164 | Re 47204/2-A | sult | Qualifier | Added 250 Spike Added | 5.00 LCS Result 247.6 LCSD Result | LCS Qualifier LCSD | Clien Unit mg/Kg Client Sar Unit | P t Sa D nple | mple ID %Rec 99 ID: Lat %Rec 100 | Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 %Rec Limits 90 - 110 %Rec Limits 90 - 110 mple ID: | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> 1 Matrix | olub Dil F amp olub le Du olub RF Lir Spil |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: 880-25164 Matrix: Solid | Re 47204/2-A | sult | Qualifier | Added 250 Spike Added | 5.00 LCS Result 247.6 LCSD Result | LCS Qualifier LCSD | Clien Unit mg/Kg Client Sar Unit | P t Sa D nple | mple ID %Rec 99 ID: Lat %Rec 100 | Analyz 02/26/23 Lab Cor Prep Ty %Rec Limits 90 - 110 Control Prep Ty %Rec Limits 90 - 110 %Rec Limits 90 - 110 | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> 1 Matrix | olub Dil Fi amp olub le Du olub RF Lin Spik |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 | Re 47204/2-A 0-47204/3-A 4-A-5-B MS | 25.00 | Qualifier U | Added 250 Spike Added 250 | 5.00 LCS Result 247.6 LCSD Result 250.6 | LCS Qualifier LCSD Qualifier | Clien Unit mg/Kg Client Sar Unit | P t Sa D nple | mple ID %Rec 99 ID: Lat %Rec 100 | Analyz 02/26/23 Lab Corr Prep Ty %Rec Limits 90 - 110 O Control prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 Prep Ty | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> 1 Matrix | olub Dil Fi amp olub le Du olub RF Lin Spik |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: 880-25164 Matrix: Solid Analysis Batch: 47258 | Re 47204/2-A 0-47204/3-A 4-A-5-B MS Sample | Sam | Qualifier U | Added 250 Spike Added 250 Spike | 5.00 LCS Result 247.6 LCSD Result 250.6 | LCS Qualifier LCSD Qualifier MS | Clien Unit mg/Kg Client Sar | P t Sa nple D C | mple ID %Rec 99 ID: Lat %Rec 100 lient Sa | Prep Ty Analyz 02/26/23 Carlos Corr Prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 mple ID: I Prep Ty %Rec | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> 1 Matrix | olub Dil Fa ampl olub le Du olub RF <u>Lim</u> Spik |
| Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCS 880-4 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 47258 Analyte Chloride Lab Sample ID: 880-25164 Matrix: Solid | Re 47204/2-A 0-47204/3-A 4-A-5-B MS | Sam | Qualifier U | Added 250 Spike Added 250 | 5.00 LCS Result 247.6 LCSD Result 250.6 | LCS Qualifier LCSD Qualifier MS Qualifier | Clien Unit mg/Kg Client Sar Unit | P t Sa D nple | mple ID <u>%Rec</u> <u>99</u> ID: Lat <u>%Rec</u> <u>100</u> lient Sa | Analyz 02/26/23 Lab Corr Prep Ty %Rec Limits 90 - 110 O Control prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 Prep Ty %Rec Limits 90 - 110 Prep Ty | ype: S zed 17:34 htrol S ype: S Sampl ype: S <u>RPD</u> 1 Matrix | olub Dil F amp olub le Du olub RF Lir Spil |

Eurofins Carlsbad

Client: Ensolum Project/Site: ADU 641

Method: 300.0 - Anions, Ion Chromatography

| Lab Sample ID: 880-25164-A-5-C MSD Matrix: Solid Analysis Batch: 47258 | | | | | Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble | | | | | | | |
|------------------------------------------------------------------------------|--------|---------------------|-----------------------|--|----------------------------------------------------------------|---------------|----------|------------|----------------------------|------------|--------------------|---|
| Analyte Chloride | Sample | Sample Qualifier | Spike Added 249 | | MSD Qualifier 4 | Unit mg/Kg | <u>D</u> | %Rec 71 | %Rec Limits 90 - 110 | RPD | RPD Limit 20 | 5 |
| | | | | | | 0 0 | | | | | | 7 |
| | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | |
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Released to Imaging: 8/30/2023 11:15:58 AM

QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC VOA

Analysis Batch: 46926

| 100 |
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| SDC |
| |

Job ID: 890-4156-1 SDG: 03C1558180

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batc |
|----------------------|------------------------|-----------|--------|------------|-----------|
| 890-4156-1 | PH03 | Total/NA | Solid | 8021B | 4693 |
| 890-4156-2 | PH03A | Total/NA | Solid | 8021B | 4693 |
| MB 880-46926/8 | Method Blank | Total/NA | Solid | 8021B | |
| MB 880-46933/5-A | Method Blank | Total/NA | Solid | 8021B | 4693 |
| LCS 880-46933/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 4693 |
| LCSD 880-46933/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4693 |
| 880-24905-A-79-D MS | Matrix Spike | Total/NA | Solid | 8021B | 4693 |
| 880-24905-A-79-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 4693 |
| rep Batch: 46933 | | | | | |
| _ab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batc |
| 90-4156-1 | PH03 | Total/NA | Solid | 5035 | |
| 390-4156-2 | PH03A | Total/NA | Solid | 5035 | |
| /IB 880-46933/5-A | Method Blank | Total/NA | Solid | 5035 | |
| .CS 880-46933/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| .CSD 880-46933/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 80-24905-A-79-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 80-24905-A-79-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |
| nalysis Batch: 4700 | D | | | | |
| ab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Bate |
| 390-4156-3 | PH03B | Total/NA | Solid | 8021B | 470 |
| MB 880-47001/5-A | Method Blank | Total/NA | Solid | 8021B | 470 |
| /IB 880-47007/5-A | Method Blank | Total/NA | Solid | 8021B | 470 |
| _CS 880-47007/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 470 |
| _CSD 880-47007/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 4700 |
| 380-24920-A-1-D MS | Matrix Spike | Total/NA | Solid | 8021B | 470 |
| 380-24920-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 470 |
| rep Batch: 47001 | | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Bate |
| MB 880-47001/5-A | Method Blank | Total/NA | Solid | 5035 | |
| rep Batch: 47007 | | | | | |
| _ab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Bate |
| 390-4156-3 | PH03B | Total/NA | Solid | 5035 | |
| MB 880-47007/5-A | Method Blank | Total/NA | Solid | 5035 | |
| _CS 880-47007/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| _CSD 880-47007/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 380-24920-A-1-D MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 380-24920-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |
| nalysis Batch: 4705 | 5 | | | | |
| _ab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Bate |
| 890-4156-1 | PH03 | Total/NA | Solid | Total BTEX | |
| 890-4156-2 | PH03A | Total/NA | Solid | Total BTEX | |
| | | | | | |

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Total BTEX

PH03B

890-4156-3

Total/NA

Solid

QC Association Summary

Client: Ensolum Project/Site: ADU 641

GC Semi VOA

Analysis Batch: 46917

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-4156-1 | PH03 | Total/NA | Solid | 8015B NM | 46977 |
| 890-4156-2 | PH03A | Total/NA | Solid | 8015B NM | 46977 |
| MB 880-46977/1-A | Method Blank | Total/NA | Solid | 8015B NM | 46977 |
| LCS 880-46977/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 46977 |
| LCSD 880-46977/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 46977 |
| 890-4153-A-1-G MS | Matrix Spike | Total/NA | Solid | 8015B NM | 46977 |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 46977 |
| rep Batch: 46977 | | | | | |
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
| 390-4156-1 | PH03 | Total/NA | Solid | 8015NM Prep | |
| 390-4156-2 | PH03A | Total/NA | Solid | 8015NM Prep | |
| MB 880-46977/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| _CS 880-46977/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-46977/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 390-4153-A-1-G MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4153-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |
| nalysis Batch: 4699 | 94 | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 390-4156-3 | PH03B | Total/NA | Solid | 8015B NM | 47117 |
| MB 880-47117/1-A | Method Blank | Total/NA | Solid | 8015B NM | 47117 |
| _CS 880-47117/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 47117 |
| CSD 880-47117/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 47117 |
| 890-4138-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 47117 |
| 390-4138-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 47117 |
| nalysis Batch: 4702 | 9 | | | | |
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
| 390-4156-1 | PH03 | Total/NA | Solid | 8015 NM | |
| 890-4156-2 | PH03A | Total/NA | Solid | 8015 NM | |
| 890-4156-3 | PH03B | Total/NA | Solid | 8015 NM | |
| rep Batch: 47117 | | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 390-4156-3 | PH03B | Total/NA | Solid | 8015NM Prep | |
| MB 880-47117/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| _CS 880-47117/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| _CSD 880-47117/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4138-A-1-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4138-A-1-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |
| | | | | | |

Leach Batch: 46940

| Lab Sample ID 890-4156-1 | Client Sample ID PH03 | Prep Type Soluble | Matrix Solid | Method DI Leach | Prep Batch |
|-----------------------------|--------------------------|----------------------|-----------------|--------------------|------------|
| 890-4156-2 | PH03A | Soluble | Solid | DI Leach | |
| MB 880-46940/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-46940/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-46940/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

Job ID: 890-4156-1

QC Association Summary

Client: Ensolum Project/Site: ADU 641

HPLC/IC (Continued)

Leach Batch: 46940 (Continued)

| each Batch: 46940 (| (Continued) | | | | |
|----------------------|------------------------|-----------|--------|----------|------------|
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 890-4155-A-1-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-4155-A-1-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| 890-4162-A-24-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-4162-A-24-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| analysis Batch: 4695 | ;0 | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 890-4156-1 | PH03 | Soluble | Solid | 300.0 | 46940 |
| 890-4156-2 | PH03A | Soluble | Solid | 300.0 | 46940 |
| MB 880-46940/1-A | Method Blank | Soluble | Solid | 300.0 | 46940 |
| LCS 880-46940/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 46940 |
| LCSD 880-46940/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 46940 |
| 890-4155-A-1-C MS | Matrix Spike | Soluble | Solid | 300.0 | 46940 |
| 890-4155-A-1-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 46940 |
| 890-4162-A-24-B MS | Matrix Spike | Soluble | Solid | 300.0 | 46940 |
| 890-4162-A-24-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 46940 |
| each Batch: 47204 | | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 890-4156-3 | PH03B | Soluble | Solid | DI Leach | |

| 890-4156-3 | PH03B | Soluble | Solid | DI Leach |
|---------------------|------------------------|---------|-------|----------|
| MB 880-47204/1-A | Method Blank | Soluble | Solid | DI Leach |
| LCS 880-47204/2-A | Lab Control Sample | Soluble | Solid | DI Leach |
| LCSD 880-47204/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach |
| 880-25164-A-5-B MS | Matrix Spike | Soluble | Solid | DI Leach |
| 880-25164-A-5-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach |

Analysis Batch: 47258

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-4156-3 | PH03B | Soluble | Solid | 300.0 | 47204 |
| MB 880-47204/1-A | Method Blank | Soluble | Solid | 300.0 | 47204 |
| LCS 880-47204/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 47204 |
| LCSD 880-47204/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 47204 |
| 880-25164-A-5-B MS | Matrix Spike | Soluble | Solid | 300.0 | 47204 |
| 880-25164-A-5-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 47204 |

Job ID: 890-4156-1 SDG: 03C1558180

Eurofins Carlsbad

Job ID: 890-4156-1 SDG: 03C1558180

Matrix: Solid

Lab Sample ID: 890-4156-1

Client Sample ID: PH03 Date Collected: 02/20/23 12:55 Date Received: 02/20/23 14:31

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.04 g | 5 mL | 46933 | 02/22/23 09:33 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46926 | 02/23/23 09:10 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47055 | 02/23/23 12:22 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47029 | 02/23/23 11:59 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 46977 | 02/22/23 16:36 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46917 | 02/23/23 03:49 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 46940 | 02/22/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 46950 | 02/22/23 14:52 | СН | EET MID |

Lab Sample ID: 890-4156-2 Matrix: Solid

x: Solid

5

9

Client Sample ID: PH03A Date Collected: 02/20/23 13:00

Date Received: 02/20/23 14:31

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 46933 | 02/22/23 09:33 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 46926 | 02/23/23 09:31 | AJ | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47055 | 02/23/23 12:22 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47029 | 02/23/23 11:59 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 46977 | 02/22/23 16:36 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46917 | 02/23/23 04:10 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 46940 | 02/22/23 11:49 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 46950 | 02/22/23 14:58 | СН | EET MID |

Client Sample ID: PH03B Date Collected: 02/20/23 13:05 Date Received: 02/20/23 14:31

Lab Sample ID: 890-4156-3 Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 47007 | 02/23/23 09:25 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 47000 | 02/24/23 04:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47055 | 02/24/23 14:46 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47029 | 02/24/23 13:21 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 47117 | 02/23/23 17:07 | AM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46994 | 02/24/23 05:41 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 47204 | 02/24/23 15:10 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 47258 | 02/27/23 14:48 | СН | 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: ADU 641 Job ID: 890-4156-1 SDG: 03C1558180

Laboratory: Eurofins Midland

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

| Authority Texas | Program NELAP | | Identification Numbe T104704400-22-25 | r Expiration Date 06-30-23 |
|------------------------------------------|-------------------------------------|------------------------------|------------------------------------------|---------------------------------------------|
| 0, | s are included in this repo | ort, but the laboratory is r | not certified by the governing authorit | y. This list may include analytes for which |
| the agency does not o | offer certification. | | | |
| the agency does not o Analysis Method | offer certification. Prep Method | Matrix | Analyte | |
| 8, | | Matrix Solid | Analyte Total TPH | |

Eurofins Carlsbad

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Method Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4156-1 SDG: 03C1558180

| 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: ADU 641

| Job ID: 890-4156-1 |
|--------------------|
| SDG: 03C1558180 |

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| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-4156-1 | PH03 | Solid | 02/20/23 12:55 | 02/20/23 14:31 | 26' |
| 890-4156-2 | PH03A | Solid | 02/20/23 13:00 | 02/20/23 14:31 | 28' |
| 890-4156-3 | PH03B | Solid | 02/20/23 13:05 | 02/20/23 14:31 | 30' |

| 🐝 eurofins | TINS Environment Testing Xenco | Houston, T) Midland, TX (4 EL Paso, TX (Hobbs, NM (| Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | Work Order No: | |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| | | Hobbs, NM (| Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | www.xenco.com | m Page_ |
| Project Manager: | Tacoma Morrissen | Bill to: (if different) | Garrett Green | Work Order Comments | nmc |
| Company Name: | | Company Name: | arecne SF | Program: UST/PST PRP Brownfields | rownfields RRC |
| | 3122 Nat'l Parks Hurry | | herey | State of Project: | J |
| e ZIP: | ad, NM 8822 | | Cartsbad, NM 88220 | Reporting: Level II Level III PST/UST TRRP | PST/UST |
| Phone: | 1.8307 | Email: transse | Pensoin | Deliverables: EDD A | ADaPT Other: |
| Project Name: | | Around | | QUEST | Preservative Codes |
| ber: | 186 Rout | ne wush Code | | | None: NO |
| | 32. 53388 -104. 20165 Due Date: | LANT | | | Cool: Cool |
| er's Name: | realith Roberts | C R | | | HCL: HC |
| SAMPLE RECEIPT | Temp Blank: No Wet Ice: | Tes No | | | H ₃ PO ₄ : HP |
| Samples Received Intact: | No Thermometer | 7 | | | NaHSO 4: NABIS |
| Cooler Custody Seals: | Yes No THA | Pa | | | Na 2S 2O3: NaSO 3 |
| Sample Custody Seals: | Yes No N/A / Temperature Reading: | ŝ | | of Custody | Zn Acetate+NaOH: Zn |
| Sample Identification | cation Matrix Date Time | Depth | BTE | | Sample Comments |
| PHO3 | ŵ | 26' (3 | | | Incident # |
| PH03A | 1 | 28' | | | NAPP230235557 |
| PH03B | B + + 1305 | 5 30' 4 4 | A A A HOLD | | ^ |
| | | | | | 1136141001 |
| | | | | | |
| | | | | | A roberta Consolum. |
| | | | | | |
| 1 | | | | | |
| Total 200.7 / 6010 Circle Method(s) and | 200.8 / 6020: 8RCR nd Metal(s) to be analyzed | 13PPM Texas 11 Al Sb LP / SPLP 6010 : 8RCRA SI | As Ba Be B Cd Ca Cr Co Cu Fe Pb b As Ba Be Cd Cr Co Cu Pb Mn Mo I | Mg Mn No Ni K Se Ag SiO2 Na Sr TI Sn U V Z Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471 VI X | 5r TI Sn U V .1 / 7470 / 74: |
| Notice: Signature of this docume of service. Eurofins Xenco will be of Eurofins Xenco. Aminimum cl | hent and relinquishment of samples constitutes a valid purcha be liable only for the cost of samples and shall not assume any charae of \$85.00 will be applied to each project and a charae | se order from client company to Eur responsibility for any losses or expe of \$5 for each sample submitted to | Notce: 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 lable 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 service. Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego or functions Xenco. A minimum charave of 555.00 will be applied to each project and a charge of 55 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego | terms and conditions ters beyond the control unless previously negotiated. | |
| Belinquished by: (Signature) | Signature) Received by: (Signature) | ature) | Date/Time Relinquished by: (Sign | nature) Received by: (Signature) | ire) |
| meene | | Jud | 121-20-2-12 | | |

-5 6

13

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 4156 List Number: 1 Creator: Stutzman, Amanda

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

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Job Number: 890-4156-1 SDG Number: 03C1558180

List Source: Eurofins Carlsbad

Job Number: 890-4156-1 SDG Number: 03C1558180

List Source: Eurofins Midland

List Creation: 02/22/23 12:07 PM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 4156 List Number: 2 Creator: Rodriguez, Leticia

| 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 | N/A | |

14



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 2/23/2023 7:43:12 PM

JOB DESCRIPTION

ADU 641 SDG NUMBER 03C1558180

JOB NUMBER

890-4171-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.



Received by OCD: 4/13/2023 7:05:29 AM

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

RAMER

Generated 2/23/2023 7:43:12 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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| | |

LOD

LOQ

MCL

MDA

MDC

MDL

ML

MPN

MQL

NC

ND

NEG

POS

PQL

QC RER

RL

RPD

TEF TEQ

TNTC

PRES

| | Demittions/Clossely | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------|----|
| Client: Ensolum Project/Site: AD | | 2 |
| Qualifiers | | 3 |
| GC VOA Qualifier | Qualifier Description | |
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. | |
| U | Indicates the analyte was analyzed for but not detected. | 5 |
| GC Semi VOA | | |
| Qualifier | Qualifier Description | |
| *1 | LCS/LCSD RPD exceeds control limits. | |
| S1+ | Surrogate recovery exceeds control limits, high biased. | |
| U | Indicates the analyte was analyzed for but not detected. | |
| HPLC/IC | | 8 |
| Qualifier | Qualifier Description | |
| F1 | MS and/or MSD recovery exceeds control limits. | 9 |
| 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 | 10 |
| CNF | Contains No Free Liquid | 13 |
| 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) | |

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

Eurofins Carlsbad

Case Narrative

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4171-1 SDG: 03C1558180

Job ID: 890-4171-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4171-1

Receipt

The samples were received on 2/22/2023 11:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS03A (890-4171-1) and FS05A (890-4171-2).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-47001 and analytical batch 880-47000 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-47003 and analytical batch 880-46994 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46850 and analytical batch 880-47079 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Job ID: 890-4171-1 SDG: 03C1558180

Client Sample ID: FS03A

Date Collected: 02/22/23 09:55 Date Received: 02/22/23 11:21

Sample Depth: 5

Project/Site: ADU 641

Client: Ensolum

SDG: 03C15581

Lab Sample ID: 890-4171-1

Matrix: Solid

| | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------|---------------|---------------|----------|----------------------------|-------------------------------------------------------------|--------------------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U *+ | 0.00402 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| o-Xylene | <0.00201 | U *+ | 0.00201 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| Xylenes, Total | <0.00402 | U *+ | 0.00402 | mg/Kg | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| 1,4-Difluorobenzene (Surr) | 80 | | 70 - 130 | | | 02/23/23 08:38 | 02/23/23 13:30 | 1 |
| Method: TAL SOP Total BTEX - To | otal BTEX Cal | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/23/23 15:28 | 1 |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/23/23 16:21 | 1 |
| Method: SW846 8015B NM - Dies | el Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <49.9 | U *1 | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:16 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U *1 | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:16 | 1 |
| C10-C28) | .10.0 | | 40.0 | | | 00/00/00 00 40 | 00/00/00 11 10 | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 108 | | 70 - 130 | | | 02/23/23 09:12 | 02/23/23 14:16 | 1 |
| o-Terphenyl | 124 | | 70 - 130 | | | 02/23/23 09:12 | 02/23/23 14:16 | 1 |
| | Chromatograp | ohy - Solubl | e | | | | | |
| Method: EPA 300.0 - Anions, Ion | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | 00/00/00 45.47 | 5 |
| Analyte | 3530 | | 24.9 | mg/Kg | | | 02/23/23 15:47 | 5 |
| Analyte Chloride | | | 24.9 | mg/Kg | | Lab San | nple ID: 890- | |
| Analyte Chloride Client Sample ID: FS05A | | | 24.9 | mg/Kg | | Lab Sar | nple ID: 890- | |
| Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 | | | 24.9 | mg/Kg | | Lab Sar | nple ID: 890- | 4171-2 |
| Analyte Chloride Client Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 | | | 24.9 | mg/Kg | | Lab San | nple ID: 890- | 4171-2 |
| Analyte Chloride Client Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 ample Depth: 5.5 | 3530 | ounds (CC) | | mg/Kg | | Lab San | nple ID: 890- | 4171-2 |
| Analyte Chloride Chloride Chloride Client Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 ample Depth: 5.5 Method: SW846 8021B - Volatile (| 3530 Organic Comp | |) | | | | nple ID: 890- Matri | 4171-2 x: Solid |
| Analyte Chloride Chloride Chloride Client Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 ample Depth: 5.5 Method: SW846 8021B - Volatile (Analyte | 3530 Organic Comp Result | Qualifier |) RL | Unit | <u>D</u> | Prepared | nple ID: 890- Matri Analyzed | 4171-2 |
| Analyte Chloride Ilient Sample ID: FS05A ate Collected: 02/22/23 10:35 ate Received: 02/22/23 11:21 ample Depth: 5.5 Method: SW846 8021B - Volatile (Analyte Benzene | 3530 Organic Comp Result <0.00199 | Qualifier U | RL 0.00199 | Unit mg/Kg | <u>D</u> | Prepared 02/23/23 08:38 | nple ID: 890- Matri <u>Analyzed</u> 02/23/23 13:51 | 4171-2 x: Solid |
| Analyte Chloride Client Sample ID: FS05A | 3530 Organic Comp Result | Qualifier U U |) RL | Unit | <u>D</u> | Prepared | nple ID: 890- Matri Analyzed | 4171-2 x: Solid |

o-Xylene <0.00199 U*+ 0.00199 02/23/23 08:38 02/23/23 13:51 mg/Kg 1 Xylenes, Total <0.00398 U*+ 0.00398 mg/Kg 02/23/23 08:38 02/23/23 13:51 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 94 70 - 130 02/23/23 08:38 02/23/23 13:51 1

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Released to Imaging: 8/30/2023 11:15:58 AM

Client Sample Results

Job ID: 890-4171-1 SDG: 03C1558180

Matrix: Solid

Client Sample ID: FS05A

Date Collected: 02/22/23 10:35 Date Received: 02/22/23 11:21

Sample Depth: 5.5

Project/Site: ADU 641

Client: Ensolum

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

| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
|-----------------------------------|----------------|-------------|----------|-------|---|----------------|----------------|--------|
| 1,4-Difluorobenzene (Surr) | 83 | | 70 - 130 | | | 02/23/23 08:38 | 02/23/23 13:51 | |
| Method: TAL SOP Total BTEX - T | otal BTEX Calo | ulation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/23/23 15:28 | |
| Method: SW846 8015 NM - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/23/23 16:21 | |
| Method: SW846 8015B NM - Dies | ol Pango Orga | | (60) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Gasoline Range Organics | <49.9 | U *1 | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:38 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <49.9 | U *1 | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:38 | |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/23/23 09:12 | 02/23/23 14:38 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 1-Chlorooctane | 96 | | 70 - 130 | | | 02/23/23 09:12 | 02/23/23 14:38 | |
| o-Terphenyl | 109 | | 70 - 130 | | | 02/23/23 09:12 | 02/23/23 14:38 | |
| Method: EPA 300.0 - Anions, Ion | Chromatogran | hy - Solubl | e | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Chloride | 149 | | 4.95 | mg/Kg | | | 02/23/23 15:53 | |

2/23/2023

Lab Sample ID: 890-4171-2

5

Job ID: 890-4171-1 SDG: 03C1558180

Prep Type: Total/NA

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

Percent Surrogate Recovery (Acceptance Limits) DFBZ1 BFB1 Lab Sample ID Client Sample ID (70-130) (70-130) 880-25089-B-1-A MS Matrix Spike 120 117 6 880-25089-B-1-B MSD Matrix Spike Duplicate 130 117 890-4171-1 FS03A 107 80 890-4171-2 FS05A 83 94 LCS 880-47001/1-A Lab Control Sample 109 104 LCSD 880-47001/2-A Lab Control Sample Dup 119 113 MB 880-47001/5-A Method Blank 76 87 Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|-----------------|------------------------|----------|----------|------------------------------------------------|
| | | 1CO1 | OTPH1 | |
| Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 123-A-1-F MS | Matrix Spike | 107 | 102 | |
| 123-A-1-G MSD | Matrix Spike Duplicate | 95 | 89 | |
| 4171-1 | FS03A | 108 | 124 | |
| 171-2 | FS05A | 96 | 109 | |
| 0-47003/2-A | Lab Control Sample | 107 | 116 | |
| D 880-47003/3-A | Lab Control Sample Dup | 75 | 85 | |
| 380-47003/1-A | Method Blank | 110 | 131 S1+ | |

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 47001

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Project/Site: ADU 641 Method: 8021B - Volatile Organic Compounds (GC)

| Lab Sample ID: MB 880-47001 | /5-A |
|---------------------------------------|------|
| · · · · · · · · · · · · · · · · · · · | |

Matrix: Solid Analysis Batch: 47000

Client: Ensolum

| Analysis Batch: 47000 | | | | | | | Prep Batch | 1: 47001 |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|-----------------|
| | MB | MB | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| | МВ | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 76 | | 70 - 130 | | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 | | | 02/23/23 08:38 | 02/23/23 11:47 | 1 |

Lab Sample ID: LCS 880-47001/1-A Matrix: Solid

Analysis Batch: 47000

| | Spike | LCS | LCS | | | | %Rec |
|---------------------|-------|--------|-----------|-------|---|------|----------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | 0.100 | 0.1087 | | mg/Kg | | 109 | 70 - 130 |
| Toluene | 0.100 | 0.1037 | | mg/Kg | | 104 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1062 | | mg/Kg | | 106 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2275 | | mg/Kg | | 114 | 70 - 130 |
| o-Xylene | 0.100 | 0.1128 | | mg/Kg | | 113 | 70 - 130 |

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

Lab Sample ID: LCSD 880-47001/2-A

Matrix: Solid

| Analysis Batch: 47000 | | | | | Prep Batch: 47001 | | | |
|-----------------------|-------|-----------------|---------|---|-------------------|----------|-----|-------|
| | Spike | LCSD LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result Qualifie | er Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1182 | mg/Kg | | 118 | 70 - 130 | 8 | 35 |
| Toluene | 0.100 | 0.1152 | mg/Kg | | 115 | 70 - 130 | 11 | 35 |
| Ethylbenzene | 0.100 | 0.1285 | mg/Kg | | 129 | 70 - 130 | 19 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2723 *+ | mg/Kg | | 136 | 70 - 130 | 18 | 35 |
| o-Xylene | 0.100 | 0.1345 *+ | mg/Kg | | 134 | 70 - 130 | 18 | 35 |
| | | | | | | | | |

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

Lab Sample ID: 880-25089-B-1-A MS

Matrix: Solid

| Analysis Batch: 47000 | | | | | | | | Prep Batch: 47001 | | |
|-----------------------|----------|-----------|-------|--------|-----------|-------|---|-------------------|----------|--|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.00176 | U | 0.100 | 0.1076 | | mg/Kg | | 107 | 70 - 130 | |
| Toluene | 0.00341 | | 0.100 | 0.1054 | | mg/Kg | | 102 | 70 - 130 | |

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Prep Type: Total/NA

Client Sample ID: Matrix Spike
Client: Ensolum Project/Site: ADU 641

QC Sample Results

Job ID: 890-4171-1 SDG: 03C1558180

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

| Lab Sample ID: 880-25089-B- | 1-A MS | | | | | | | | | | Client | Sample ID: N | | - |
|-----------------------------------------|------------|-------|-----------|----------|------|--------|-----------|-------|------|------|-----------------------------------------|---------------|-------|---------------------|
| Matrix: Solid | | | | | | | | | | | | Prep Typ | e: To | tal/N/ |
| Analysis Batch: 47000 | | | | | | | | | | | | Prep B | atch: | 47 <mark>0</mark> 0 |
| | Sample | Sam | ple | Spike | | MS | MS | | | | | %Rec | | |
| Analyte | Result | Qua | lifier | Added | | Result | Qualifier | Unit | | D | %Rec | Limits | | |
| Ethylbenzene | <0.00176 | U | | 0.100 | | 0.1054 | | mg/Kg | | | 104 | 70 - 130 | | |
| m-Xylene & p-Xylene | 0.0108 | *+ | | 0.200 | | 0.2303 | | mg/Kg | | | 110 | 70 - 130 | | |
| p-Xylene | 0.00345 | *+ | | 0.100 | | 0.1143 | | mg/Kg | | | 111 | 70 - 130 | | |
| | MS | MS | | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 120 | | | 70 - 130 | | | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 117 | | | 70 _ 130 | | | | | | | | | | |
| Lab Sample ID: 880-25089-B- | 1-B MSD | | | | | | | | Clie | nt S | ample ID | : Matrix Spik | e Dup | olicat |
| Matrix: Solid | | | | | | | | | | | - i - i - i - i - i - i - i - i - i - i | Prep Typ | e: To | tal/N |
| Analysis Batch: 47000 | | | | | | | | | | | | Prep B | | |
| - | Sample | Sam | ple | Spike | | MSD | MSD | | | | | %Rec | | RP |
| Analyte | Result | Qua | lifier | Added | | Result | Qualifier | Unit | | D | %Rec | Limits | RPD | Lim |
| Benzene | <0.00176 | U | | 0.0998 | | 0.1219 | | mg/Kg | | | 122 | 70 - 130 | 12 | 3 |
| Toluene | 0.00341 | | | 0.0998 | | 0.1138 | | mg/Kg | | | 111 | 70 - 130 | 8 | : |
| Ethylbenzene | <0.00176 | U | | 0.0998 | | 0.1225 | | mg/Kg | | | 122 | 70 - 130 | 15 | 3 |
| m-Xylene & p-Xylene | 0.0108 | *+ | | 0.200 | | 0.2691 | | mg/Kg | | | 129 | 70 - 130 | 16 | 3 |
| o-Xylene | 0.00345 | *+ | | 0.0998 | | 0.1333 | | mg/Kg | | | 130 | 70 - 130 | 15 | 3 |
| | MSD | MSE |) | | | | | | | | | | | |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 130 | | | 70 - 130 | | | | | | | | | | |
| 1,4-Difluorobenzene (Surr) | 117 | | | 70 - 130 | | | | | | | | | | |
| lethod: 8015B NM - Diese | el Range O | rgar | nics (DF | RO) (GC) | | | | | | | | | | |
| Lab Sample ID: MB 880-47003 | 3/1-A | | | | | | | | | | Client S | ample ID: Me | thod | Blan |
| Matrix: Solid | | | | | | | | | | | | Prep Typ | | |
| Analysis Batch: 46994 | | | | | | | | | | | | Prep B | | |
| | | мв | МВ | | | | | | | | | | | |
| Analyte | R | esult | Qualifier | | RL | | Unit | t | D | F | repared | Analyzed | | Dil Fa |
| Gasoline Range Organics GRO)-C6-C10 | | <50.0 | U | | 50.0 | | mg/ | Kg | | 02/2 | 23/23 09:12 | 02/23/23 08: | 36 | |
| Diesel Range Organics (Over C10-C28) | c | <50.0 | U | | 50.0 | | mg/ | Kg | | 02/2 | 23/23 09:12 | 02/23/23 08: | 36 | |
| Oll Range Organics (Over C28-C36) | • | <50.0 | U | | 50.0 | | mg/ | Kg | | 02/2 | 23/23 09:12 | 02/23/23 08: | 36 | |
| | | | | | | | | | | | | | | |

| | IVID | | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 110 | | 70 - 130 |
| o-Terphenyl | 131 | S1+ | 70 - 130 |

Lab Sample ID: LCS 880-47003/2-A Matrix: Solid

| Analysis Batch: 46994 | | | | | | | Prep E | Batch: 47 | 003 |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----------|-----|
| | Spike | LCS | LCS | | | | %Rec | | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Gasoline Range Organics | 1000 | 1174 | | mg/Kg | | 117 | 70 - 130 | | |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1103 | | mg/Kg | | 110 | 70 - 130 | | |
| C10-C28) | | | | | | | | | |

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Prep Type: Total/NA

Dil Fac

1

1

Analyzed

02/23/23 08:36

Client Sample ID: Lab Control Sample

02/23/23 09:12 02/23/23 08:36

Prepared

02/23/23 09:12

QC Sample Results

Job ID: 890-4171-1 SDG: 03C1558180

Client: Ensolum Project/Site: ADU 641

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

| Lab Sample ID: LCS 880-470 Matrix: Solid | 103/2-A | | | | | | Client | Sample | ID: Lab Co | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|------------------------|------------------|-----------|---------|-------------------|----------------------------------------------|-----------------------|------------------------------------------|
| | | | | | | | | | | Type: Tot | |
| Analysis Batch: 46994 | | | | | | | | | Prep | Batch: | 4700 |
| | LCS | LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 107 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 116 | | 70 - 130 | | | | | | | | |
| Lab Sample ID: LCSD 880-47 | 7003/3-A | | | | | Clier | nt Sam | ple ID: I | Lab Contro | ol Sample | e Du |
| Matrix: Solid | | | | | | | | | Prep T | Type: Tot | al/N |
| Analysis Batch: 46994 | | | | | | | | | Prep | Batch: | 4700 |
| | | | Spike | LCSD | LCSD | | | | %Rec | | RP |
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Lim |
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 908.0 | *1 | mg/Kg | | 91 | 70 - 130 | 26 | 2 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 806.6 | *1 | mg/Kg | | 81 | 70 - 130 | 31 | 2 |
| | LCSD | LCSD | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | |
| 1-Chlorooctane | 75 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 85 | | 70 - 130 | | | | | | | | |
| Analyte | - | Sample Qualifier | Spike Added | | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
| Gasoline Range Organics | <49.9 | U *1 | 999 | 1211 | | mg/Kg | | 119 | 70 - 130 | | |
| (GRO)-C6-C10 | | | | | | | | | | | |
| Diesel Range Organics (Over C10-C28) | 76.8 | *1 | 999 | 1121 | | mg/Kg | | 105 | 70 - 130 | | |
| , | | | | | | | | | | | |
| | MS | MS | | | | | | | | | |
| Surrogate | MS %Recovery | | Limits | | | | | | | | |
| Surrogate | | | Limits 70 - 130 | | | | | | | | |
| Surrogate 1-Chlorooctane | %Recovery | | | | | | | | | | |
| Surrogate 1-Chlorooctane o-Terphenyl | %Recovery 107 102 | | 70 - 130 | | | Cli | ient Sa | ample ID |): Matrix Sp | oike Dup | licat |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 | %Recovery 107 102 | | 70 - 130 | | | CI | ient Sa | ample ID | | pike Dup Type: Tot | |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid | %Recovery 107 102 | | 70 - 130 | | | CI | ient Sa | ample ID | Prep T | | al/N |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid | | | 70 - 130 | | MSD | CI | ient Sa | ample ID | Prep T | Type: Tot | tal/N 4700 |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid Analysis Batch: 46994 | | Qualifier Sample Qualifier | 70 - 130 70 - 130 Spike Added | Result | MSD Qualifier | Cli | ient Sa | ample ID | Prep T Prep | Batch: | t <mark>al/N</mark> 4700 RP Lim |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics | | Qualifier Sample Qualifier | 70 - 130 70 - 130 Spike | | | | | - | Prep T Prep %Rec | Type: Tot Batch: 4 | t <mark>al/N</mark> 4700 RP Lim |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | | Qualifier Sample Qualifier U *1 | 70 - 130 70 - 130 Spike Added | Result | | Unit | | %Rec | Prep T Prep %Rec Limits | Batch: | tal/N 4700 RP Lim |
| | <u>%Recovery</u> 107 102 1-G MSD Sample <u>Result</u> <49.9 76.8 | Qualifier Sample Qualifier U *1 | 70 - 130 70 - 130 Spike Added 998 | Result 986.4 | | mg/Kg | | %Rec 97 | Prep T Prep %Rec Limits 70 - 130 | RPD 20 | tal/N 4700 RP Lim 2 |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | <u>%Recovery</u> 107 102 1-G MSD Sample <u>Result</u> <49.9 76.8 | Qualifier Sample Qualifier U *1 *1 MSD | 70 - 130 70 - 130 Spike Added 998 | Result 986.4 | | mg/Kg | | %Rec 97 | Prep T Prep %Rec Limits 70 - 130 | RPD 20 | tal/N 4700 RP Lim 2 |
| Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4123-A-1 Matrix: Solid Analysis Batch: 46994 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | | Qualifier Sample Qualifier U *1 *1 MSD | 70 - 130 70 - 130 Spike Added 998 998 | Result 986.4 | | mg/Kg | | %Rec 97 | Prep T Prep %Rec Limits 70 - 130 | RPD 20 | al/N |

Client: Ensolum

Project/Site: ADU 641

QC Sample Results

Job ID: 890-4171-1 SDG: 03C1558180

Method: 300.0 - Anions, Ion Chromatography

| | 50/1-A | | | | | | | 0 | Jient S | ample ID: N | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|------------------------------------------|------------------------------------|--------|----------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------|
| Matrix: Solid | | | | | | | | | | Prep 1 | Type: S | olubl |
| Analysis Batch: 47079 | | | | | | | | | | | | |
| | | MB MB | | | | | | | | | | |
| Analyte | R | esult Qualifier | | RL | Unit | | D | Pre | epared | Analyze | ed | Dil Fa |
| Chloride | | <5.00 U | 5 | 5.00 | mg/K | g | | | | 02/23/23 1 | 2:48 | |
| Lab Sample ID: LCS 880-468 | 850/2-A | | | | | | Clie | ent | Sample | ID: Lab Co | ntrol S | ampl |
| Matrix: Solid | | | | | | | | | | Prep 1 | Type: S | olub |
| Analysis Batch: 47079 | | | | | | | | | | | | |
| - | | | Spike | LCS | LCS | | | | | %Rec | | |
| Analyte | | | Added | Result | Qualifier | Unit | | D | %Rec | Limits | | |
| Chloride | | | 250 | 237.9 | | mg/Kg | | | 95 | 90 - 110 | | |
| Lab Sample ID: LCSD 880-4 | 6850/3-A | | | | | CI | ient S | amı | ole ID: L | _ab Control | Sampl | e Du |
| Matrix: Solid | | | | | | | | | | | Type: S | |
| Analysis Batch: 47079 | | | | | | | | | | | 700.0 | |
| | | | Spike | LCSD | LCSD | | | | | %Rec | | RP |
| Analyte | | | Added | | Qualifier | Unit | | D | %Rec | Limits | RPD | Lim |
| Chloride | | | 250 | 238.3 | | mg/Kg | | | 95 | 90 - 110 | 0 | 2 |
| | | | | | | | | | | | | . |
| Lab Sample ID: 880-24896-A | A-1-F MIS | | | | | | | | Client | Sample ID: | | |
| Matrix: Solid | | | | | | | | | | Prep | Type: S | olub |
| Analysis Batch: 47079 | . . | . . | • " | | | | | | | | | |
| | - | Sample | Spike | MS | MS | | | _ | ~ - | %Rec | | |
| Analyte | | Qualifier | Added | | Qualifier | Unit | | <u>D</u> | %Rec | Limits | | |
| | 2280 | F1 | 1240 | 3321 | F1 | mg/Kg | | | 84 | 90 - 110 | | |
| Chloride | | | | | | | | | | | | |
| Lab Sample ID: 880-24896-A | A-1-G MSD | | | | | | Client | Sa | mple ID | : Matrix Sp | ike Dup | olicat |
| | A-1-G MSD | | | | | | Client | Sa | mple ID | | ike Dup Гуре: S | |
| _ Lab Sample ID: 880-24896-A | A-1-G MSD | | | | | | Client | Sa | mple ID | | | |
| Lab Sample ID: 880-24896-A Matrix: Solid | | Sample | Spike | MSD | MSD | | Client | Sa | mple ID | | | olubl |
| Lab Sample ID: 880-24896-A Matrix: Solid | | | Spike Added | MSD Result | | Unit | | Sai | mple ID %Rec | Prep 1 | | olubl RP |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 | Sample | • | | | | | | | - | Prep 1 %Rec | Type: S | olubl RP Lim |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte | Sample Result 2280 | Qualifier | Added | Result | Qualifier | Unit | | | % Rec | Prep 7 %Rec Limits | Fype: So RPD | olubi RP Lim 2 |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride | Sample Result 2280 | Qualifier | Added | Result | Qualifier | Unit | | | % Rec | Prep 7 %Rec Limits 90 - 110 Sample ID: | Fype: So RPD | olubl RP Lim 2 Spik |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- | Sample Result 2280 | Qualifier | Added | Result | Qualifier | Unit | | | % Rec | Prep 7 %Rec Limits 90 - 110 Sample ID: | RPD 0 Matrix | olubl RP Lim 2 Spik |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid | Sample Result 2280 | Qualifier | Added | Result 3331 | Qualifier | Unit | | | % Rec | Prep 7 %Rec Limits 90 - 110 Sample ID: | RPD 0 Matrix | olubl RP Lim 2 Spik |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid | Sample Result 2280 1-D MS Sample | Qualifier F1 | Added | Result 3331 MS | Qualifier F1 | Unit | | | % Rec | Prep 7 %Rec Limits 90 - 110 Sample ID: Prep 7 | RPD 0 Matrix | Olubi RPI Lim 2 Spik |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 | Sample Result 2280 1-D MS Sample | Qualifier F1 Sample | Added 1240 Spike | Result 3331 MS | Qualifier F1 MS Qualifier | mg/Kg | | <u>D</u> | %Rec 85 Client | Prep 7 %Rec Limits 90 - 110 Sample ID: Prep 7 %Rec | RPD 0 Matrix | olubl RP Lim 2 Spik |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 Analyte Chloride | Sample Result 2280 1-D MS Sample Result 11800 | Qualifier F1 Sample | Added 1240 Spike Added | Result 3331 MS Result | Qualifier F1 MS Qualifier | - Unit mg/Kg - Unit mg/Kg | | D - | %Rec 85 Client %Rec 118 | Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 | Type: S RPD 0 Matrix Type: S | olubi RP Lim 2 Spik olubi |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- | Sample Result 2280 1-D MS Sample Result 11800 | Qualifier F1 Sample | Added 1240 Spike Added | Result 3331 MS Result | Qualifier F1 MS Qualifier | - Unit mg/Kg - Unit mg/Kg | | D - | %Rec 85 Client %Rec 118 | Prep I %Rec Limits 90 - 110 I Sample ID: Prep %Rec Limits 90 - 110 I | Type: S RPD 0 Matrix Type: S ike Dup | olubi RP Lim 2 Spik olubi |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid | Sample Result 2280 1-D MS Sample Result 11800 | Qualifier F1 Sample | Added 1240 Spike Added | Result 3331 MS Result | Qualifier F1 MS Qualifier | - Unit mg/Kg - Unit mg/Kg | | D - | %Rec 85 Client %Rec 118 | Prep I %Rec Limits 90 - 110 I Sample ID: Prep %Rec Limits 90 - 110 I | Type: S RPD 0 Matrix Type: S | olubi RP Lim 2 Spik olubi |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- | Sample Result 2280 -1-D MS | Qualifier F1 Sample Qualifier | Added 1240 Spike Added | Result 3331 MS Result 17700 | Qualifier F1 MS Qualifier | - Unit mg/Kg - Unit mg/Kg | | D - | %Rec 85 Client %Rec 118 | Prep I %Rec Limits 90 - 110 I Sample ID: Prep %Rec Limits 90 - 110 I | Type: S RPD 0 Matrix Type: S ike Dup | olubl RPI 2 Spike olubl |
| Lab Sample ID: 880-24896-A Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid Analysis Batch: 47079 Analyte Chloride Lab Sample ID: 890-4149-A- Matrix: Solid | Sample Result 2280 21-D MS Sample Result 11800 21-E MSD Sample | Qualifier F1 Sample Qualifier F1 | Added 1240 Spike Added 4980 | Result 3331 MS Result 17700 | Qualifier F1 MS Qualifier F1 | - Unit mg/Kg - Unit mg/Kg | Client | D - | %Rec 85 Client %Rec 118 | Prep 7 %Rec Limits 90 - 110 Sample ID: Prep 7 %Rec Limits 90 - 110 : Matrix Sp Prep 7 | Type: S RPD 0 Matrix Type: S ike Dup | RPI Lim 2 Spike olubl |

QC Association Summary

Client: Ensolum Project/Site: ADU 641

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Job ID: 890-4171-1 SDG: 03C1558180

GC VOA

Analysis Batch: 47000

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 390-4171-1 | FS03A | Total/NA | Solid | 8021B | 47001 |
| 390-4171-2 | FS05A | Total/NA | Solid | 8021B | 47001 |
| MB 880-47001/5-A | Method Blank | Total/NA | Solid | 8021B | 47001 |
| _CS 880-47001/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 47001 |
| LCSD 880-47001/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 47001 |
| 380-25089-B-1-A MS | Matrix Spike | Total/NA | Solid | 8021B | 47001 |
| 380-25089-B-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 47001 |

Prep Batch: 47001

| 000-20009-B-1-B MSD | Matrix Spike Duplicate | Total/INA | 50110 | 0021D | 47001 | |
|-----------------------|------------------------|-----------|--------|--------|------------|----|
| Prep Batch: 47001 | | | | | | ð |
| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch | 9 |
| 890-4171-1 | FS03A | Total/NA | Solid | 5035 | | |
| 890-4171-2 | FS05A | Total/NA | Solid | 5035 | | |
| MB 880-47001/5-A | Method Blank | Total/NA | Solid | 5035 | | |
| LCS 880-47001/1-A | Lab Control Sample | Total/NA | Solid | 5035 | | |
| LCSD 880-47001/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | | |
| 880-25089-B-1-A MS | Matrix Spike | Total/NA | Solid | 5035 | | |
| 880-25089-B-1-B MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | | |
| Analysis Batch: 47103 | | | | | | 13 |
| | | | | | | |

Analysis Batch: 47103

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-4171-1 | FS03A | Total/NA | Solid | Total BTEX | |
| 890-4171-2 | FS05A | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 46994

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-4171-1 | FS03A | Total/NA | Solid | 8015B NM | 47003 |
| 890-4171-2 | FS05A | Total/NA | Solid | 8015B NM | 47003 |
| MB 880-47003/1-A | Method Blank | Total/NA | Solid | 8015B NM | 47003 |
| LCS 880-47003/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 47003 |
| LCSD 880-47003/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 47003 |
| 890-4123-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 47003 |
| 890-4123-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 47003 |

Prep Batch: 47003

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-4171-1 | FS03A | Total/NA | Solid | 8015NM Prep | |
| 890-4171-2 | FS05A | Total/NA | Solid | 8015NM Prep | |
| MB 880-47003/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-47003/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-47003/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-4123-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-4123-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 47110

| Lab Sample ID | Client Sample ID | Prep Туре | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-4171-1 | FS03A | Total/NA | Solid | 8015 NM | |
| 890-4171-2 | FS05A | Total/NA | Solid | 8015 NM | |

QC Association Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4171-1 SDG: 03C1558180

HPLC/IC

Leach Batch: 46850

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 390-4171-1 | FS03A | Soluble | Solid | DI Leach | |
| 90-4171-2 | FS05A | Soluble | Solid | DI Leach | |
| 1B 880-46850/1-A | Method Blank | Soluble | Solid | DI Leach | |
| CS 880-46850/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| CSD 880-46850/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 80-24896-A-1-F MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 80-24896-A-1-G MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| 90-4149-A-1-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 90-4149-A-1-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| | | | | | |
| nalysis Batch: 47079 | | | | | |
| | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
| ab Sample ID | Client Sample ID FS03A | Prep Type Soluble | Matrix Solid | <u>Method</u> 300.0 | Prep Batch 46850 |
| ab Sample ID 90-4171-1 | • | | | | |
| ab Sample ID 90-4171-1 90-4171-2 | FS03A | Soluble | Solid | 300.0 | 46850 |
| ab Sample ID 90-4171-1 90-4171-2 IB 880-46850/1-A | FS03A FS05A | Soluble | Solid Solid | 300.0 300.0 | 46850 46850 |
| ab Sample ID 90-4171-1 90-4171-2 //B 880-46850/1-A .CS 880-46850/2-A | FS03A FS05A Method Blank | Soluble Soluble Soluble | Solid Solid Solid | 300.0 300.0 300.0 | 46850 46850 46850 |
| ab Sample ID 90-4171-1 90-4171-2 IB 880-46850/1-A CS 880-46850/2-A CSD 880-46850/3-A | FS03A FS05A Method Blank Lab Control Sample | Soluble Soluble Soluble Soluble | Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 | 46850 46850 46850 46850 46850 |
| ab Sample ID 90-4171-1 90-4171-2 IB 880-46850/1-A CS 880-46850/2-A CSD 880-46850/3-A 80-24896-A-1-F MS | FS03A FS05A Method Blank Lab Control Sample Lab Control Sample Dup | Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 | 46850 46850 46850 46850 46850 46850 |
| Lab Sample ID 390-4171-1 390-4171-2 MB 880-46850/1-A .CS 880-46850/2-A .CSD 880-46850/3-A 380-24896-A-1-F MS 380-24896-A-1-G MSD 390-4149-A-1-D MS | FS03A FS05A Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike | Soluble Soluble Soluble Soluble Soluble Soluble | Solid Solid Solid Solid Solid Solid | 300.0 300.0 300.0 300.0 300.0 300.0 300.0 | 46850 46850 46850 46850 46850 46850 46850 |

Released to Imaging: 8/30/2023 11:15:58 AM

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9

Job ID: 890-4171-1 SDG: 03C1558180

Lab Sample ID: 890-4171-1 Matrix: Solid

Lab Sample ID: 890-4171-2

Matrix: Solid

Date Collected: 02/22/23 09:55 Date Received: 02/22/23 11:21

Client Sample ID: FS03A

Client: Ensolum

Project/Site: ADU 641

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 47001 | 02/23/23 08:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 47000 | 02/23/23 13:30 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47103 | 02/23/23 15:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47110 | 02/23/23 16:21 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 47003 | 02/23/23 09:12 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46994 | 02/23/23 14:16 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 46850 | 02/22/23 16:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 47079 | 02/23/23 15:47 | СН | EET MID |

Client Sample ID: FS05A

Date Collected: 02/22/23 10:35 Date Received: 02/22/23 11:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 47001 | 02/23/23 08:38 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 47000 | 02/23/23 13:51 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 47103 | 02/23/23 15:28 | AJ | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 47110 | 02/23/23 16:21 | AJ | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 47003 | 02/23/23 09:12 | AJ | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 46994 | 02/23/23 14:38 | AJ | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 46850 | 02/22/23 16:00 | KS | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 47079 | 02/23/23 15:53 | СН | EET MID |

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 8/30/2023 11:15:58 AM

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

Authority **Identification Number** Expiration Date Program NELAP T104704400-22-25 06-30-23 Texas 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 Total TPH Solid Total BTEX Solid Total BTEX

5

10

Job ID: 890-4171-1

SDG: 03C1558180

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: ADU 641 Job ID: 890-4171-1 SDG: 03C1558180

| 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 Refe | erences: | | |
| ASTM = A | STM International | | |
| EPA = US | Environmental Protection Agency | | |
| SW846 = | "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed | ition, November 1986 And Its Updates. | |
| TAL SOP | = TestAmerica Laboratories, Standard Operating Procedure | | |
| Laboratory R | eferences: | | |
| EET MID | = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 | | |
| | | | |
| | | | |
| | | | |
| | | | |

Client: Ensolum Project/Site: ADU 641 Page 189 of 197

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-4171-1 | FS03A | Solid | 02/22/23 09:55 | 02/22/23 11:21 | 5 |
| 890-4171-2 | FS05A | Solid | 02/22/23 10:35 | 02/22/23 11:21 | 5.5 |

| | | 4 2 | 2 22.23 [2] | Q | of my | 80 | " ANEONIC |
|-------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Date/Time | Received by: (Signature) | Relinquished by: (Signature) | Date/Time | re) | Received by: (Signature) | (Signature) | Relinquished by: (Signature) |
| | ems and conditions beyond the control less previously negotlated. | 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 items 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 nego | fins Xenco, its affiliates and uses incurred by the client if urofins Xenco, but not anal | rder from client company to Euro ponsibility for any losses or exper 5 for each sample submitted to I | es constitutes a valid purchase c les and shall not assume any res o each project and a charge of s | ment and relinquishment of sampl be lable only for the cost of samp n charge of \$85.00 will be applied t | lotice: Signature of this docu f service. Eurofins Xenco will f Eurofins Xenco. A minimun |
| TI Sn U V Zn /7470 /7471 | Vi K Se Ag SiO ₂ Na Sr Hg: 1631/245.1 | A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo I TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Al Sb As Ba Be B Cd Ca CRA Sb As Ba Be Cd Cr C | 13PPM Texas 11 Al Sb LP/SPLP 6010 : 8RCRA : | 8RCRA 13F yzed TCLP/ | Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed | Total 200.7 / 6010 Circle Method(s) ar |
| | | | | | | | |
| | | | | | | | |
| mabertseensolume | 8 | | | | | | |
| 1.001 | | | | | | | |
| H3L 141001 | | | | | ł | | |
| | | NR IIII | | | | | |
| NAPP2 302355577 | N | | + + + | 5.5° C 1 | 4 1035 | A + | FS05A |
| Incident #: | | | XXX | 5' C 1 | 2/22/23 09 55 | A S | FSO3 |
| Sample Comments | | | BT Ch Tf | Depth Grab/ # of Comp Cont | Date Time Sampled Sampled | ication | Sample Identification |
| NaOH+Ascorbic Acid: SAPC | | | lor | 0.1 | Corrected Temperature: | | Total Containers: |
| Zn Acetate+NaOH: Zn | | | rio | 1.0 | Temperature Reading: | Yes NO N/A | Sample Custody Seals: |
| Na ₂ S ₂ O ₃ ; NaSO ₃ | | | le | 10 20 Pa | Correction Factor: | Yes NO NA | Cooler Custody Seals: |
| NaHSO 4: NABIS | Na | | 5 | 31 | eter | t: Yes No | Samples Received Intact: |
| H PO . HP | | | | Vec No ters | Ver No Wat Ire. | Tomp Blank. | CAMPI E DECEIDT |
| HCL: HC HNO 3: HN H2S0 4: H2 NaOH: Na | | | | TAT starts the day received by the lab, if received by 4:30pm | | Meredum Ro | |
| Q | Co | | | 24 hr | . 30765 Due Date: | 32.53388,-104.20765 | |
| None: NO DI Water: H ₂ O | No | | | ARush Code | Routine | 0301558180 | Project Number: |
| Preservative Codes | | ANALYSIS REQUEST | | Turn Arouad | Tu | ADU 641 | Project Name: |
| Other: | Deliverables: EDD ADaPT | | tmorrissey@ensoum.com | | SOT Email: | 337.257 8 | Phone: |
| PST/UST TRRP Level IV | Reporting: Level II Level III PST/ | NM 88220 | Carlsbad | City, State ZIP: | 88 | back h | City, State ZIP: |
|] | | St | 3104 E 0 | Address: | Parks Hwy | 3122 Nati P | Address: |
| ields RRC Superfund | Program: UST/PST PRP Brownfields | Encroy | 0 | Company Name: | C . | - | Company Name: |
| nents | Work Order Comments | Giarrett Gireen | Giance | Bill to: (if different) | Manrisser | Tacoma M | Project Manager: |
| Page 1 of 1 | www.xenco.com | NM (575) 988-3199 | Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 | Hobbs, NM (| | | |
| | | TX (806) 794-1296 | EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 | EL Paso, TX (S | , J | Xenco | |
| | Work Order No: | TX (214) 902-0300 | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 | Houston, TX | Environment Testing | _ | |
| | | | | | | | |

2/23/2023

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| Carlsbad NM 88220 | | Chain of Custody Record | of Cust | ody R | ecord | | | | | | | λm | | | | , | 🔅 eurofins | F NY | Environment Tecting |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|---------------------------------------------|---------------------------------|------------------------------|-------------------------------------------|------------------------------|------------------------|--------------------|---------------------|---------------------------|--------------------------|------------------------------------------|----------------------------------------------------------------------------|------------------------------|------------------------------------------------|
| Phone: 575-988-3199 Fax 575-988-3199 | Compler | | | - | | | | | | | | K | | | | | | | |
| Client Information (Sub Contract Lab) | Salithiat | | | Lab PM ⁻ Kramer, | r, Jessica | - | | | | | Carrier Tracking No(s) | Tracki |)g No(s | - | | | COC No: 890-1144 1 | ļ | |
| Client Contact: Shipping/Receiving | Phone. | | | E-Mail Jessic | a Kramer | @et.et | Irofin | SUS.CO | ă | | State of Origin | f Origin | | | | | Page Page 1 of 1 | | |
| Company Eurofins Environment Testing South Centr | | | | | Accreditations Required (See note): NELAP - Texas | s Requir | ed (Se | e note) | | l | | | ľ | | | | 900 4174 4 | | |
| Address 1211 W Florida Ave | Due Date Requested 2/23/2023 | å | | | | | | Analy | Vsis | Rennested | Det | 2 | | | | | Preservation Codes | · • | |
| City Midland | TAT Requested (days): | ays): | | ***** | | | | - | | | | | -1 | - | | Ale | | o z s | Hexane None AsNaO2 |
| State, Zip TX, 79701 | <u></u> | | | and Wateria | | | | | - <u></u> , | | | | | | | | C Zn Acetate D Nitric Acid E NaHSO4 | оро N N | Na2O4S Na2SO3 |
| Phone 432-704-5440(Tel) | PO# | | | | | | B | | | | | | | | | ĊĽ. | MeOH Amchlor | + の z z z z z | Na2S2O3 H2SO4 TSB Dodocobudoto |
| Email | WO #· | | | | 0) | | | | | | | | | <u></u> | | | Ascorbic Acid Ice DI Water | < C · | U Acetone V MCAA |
| Project Name actu 641 | Project #: | | | | or N | | | | | | | | | | | iners | | ≺ ≶ Tip | pH 4-5 Trizma |
| Site | SSOM#: | | | | Yes | | | | | | | | | | | 215.0.52 | | Z - ott | other (specify) |
| | | | | | ASD (|) | | | | | | | | | | 1997 - A.L | Other. | | |
| | | | | Matrix (W=water S=solid | Filtered orm MS/M | IOD_Calc | RGFM_2 | BTEX_GO | | | | · | | | | Number | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Time | G=grab) BT | 2 | Per | 8018 | | | | | | | | | | Tota | Special Instructions/Note | struct | ions/Note- |
| | X | | Preservation Code: | on Code: | X | Lane - | 1 | | Starte L | | anne a | | <u>nopo</u> ri P | | 1 | Х | | | |
| F SU3A (890-41/1-1) | 2/22/23 | Mountain | | Solid | × | × | × | ×× | | | | | | | | Ż | | | |
| FS05A (890-4171-2) | 2/22/23 | 10 35 Mountain | | Solid | × | × | × | ×× | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 63 | | | |
| | | | | | | | | | | | | | | | | Z | | | |
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| | | | | | | | | | <u> </u> | | ļ | ┣— | | | | | | | |
| Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC attention immediately. | nt Testing South Centr bove for analysis/tests entral LLC attention in | al, LLC places th Imatrix being an- Imediately If all | ne ownership of alyzed the sam requested accr | method analy ples must be s reditations are o | te & accredit hipped back current to da | ation col to the E le return | mpliano urofins h the sig | ie upon Envirol gned C | ı our su nment ⁻ hain of | bcontra Festing Custod | ct labo South | ratorie Central | tLC I | sampl aborat mplian | e ship bry or pe to E | ment i other i iurofin | is forwarded under ch instructions will be pro ns Environment Testin | ain-of-c wided g South | ustody If the Any changes to Central LLC |
| Possible Hazard Identification Unconfirmed | | | | | Sample Disposal (A fee r | le Disposal (A fi Beturn To Client | osal (| A fee | may | beas | Sess | ed if | amp | les a | l e re | aine | may be assessed if samples are retained longer than 1 month) | mont | j, |
| Deliverable Requested 1 II III IV Other (specify) | Primary Deliverable Rank. 2 | able Rank. 2 | | | Special Instructions/QC Requirements | Instru | ctions | /QC F | Requir | ement | ents | | | | | | | N/N | voruis |
| Empty Kit Relinquished by | | Date | | | Time. | Ì | | 5 | _ | コ | 4 | ethod | Method of Shipment: | ment | | | | | |
| reinquisned by | Date/Time | | 0 | Company | A A | A COURSE | Ç | \mathbf{A} | | Я | Я | | Dat | Date/Time | | | | Company | any |
| | Date/Time. | | 0 | Company | Received | Stred by | | (| | | | | Dat | Date/Time | | | | Company | any |
| 1 | Date/Time: | | 0 | Company | Rec | Received by | | | | | | | Dat | Date/Time | | | | Company | Υnε |
| Custody Seals Intact. Custody Seal No ∆ Yes ∆ No | | | | | Coo | Cooler Temperature(s) °C and Other Remarks: | erature | (s) °C , | and Oth | ıer Ren |)arks; | | | | | | | Ī | |
| | | | | | | | | | | | | | | | | | | Ver t | Ver: 06/08/2021 |

2/23/2023

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Eurofins Carlsbad

Chain of Custody Record

13

Job Number: 890-4171-1 SDG Number: 03C1558180

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4171 List Number: 1 Creator: Clifton, Cloe

| 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 | |
| s 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 | |

Eurofins Carlsbad Released to Imaging: 8/30/2023 11:15:58 AM 14

14

Job Number: 890-4171-1 SDG Number: 03C1558180

List Source: Eurofins Midland

List Creation: 02/23/23 11:12 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4171 List Number: 2 Creator: Teel, Brianna

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



APPENDIX D

NMOCD Notifications

Released to Imaging: 8/30/2023 11:15:58 AM

| From: | Green, Garrett J |
|----------|----------------------------------------------------------------------------------------------|
| To: | Enviro, OCD, EMNRD; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD |
| Cc: | Tacoma Morrissey; DelawareSpills /SM |
| Subject: | RE: [EXTERNAL] XTO - Sampling Notification (Week of 2/6/23 - 2/10/23) |
| Date: | Thursday, February 2, 2023 3:46:26 PM |

[**EXTERNAL EMAIL**]

All,

We have an addition to the sampling sites below.

XTO plans to complete final sampling activities at the following sites the week of Feb 6, 2023.

- ADU 641 / nAPP2302355577
- Remuda 500 / NAPP2300441385, NAPP2300448092, NAPP2300641362
- PLU 21 BD 125H / nAPP2229145683
- Remuda 4-24-30 CTB / nAPP2233351770

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

From: Enviro, OCD, EMNRD [mailto:OCD.Enviro@emnrd.nm.gov]
Sent: Thursday, February 2, 2023 1:29 PM
To: Green, Garrett J <garrett.green@exxonmobil.com>; Enviro, OCD, EMNRD
<OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD
<Jocelyn.Harimon@emnrd.nm.gov>
Cc: Tacoma Morrissey <tmorrissey@ensolum.com>; DelawareSpills /SM
<DelawareSpills@exxonmobil.com>
Subject: RE: [EXTERNAL] XTO - Sampling Notification (Week of 2/6/23 - 2/10/23)

External Email – Think Before You Click

Garrett,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JΗ

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Green, Garrett J <garrett.green@exxonmobil.com>
Sent: Thursday, February 2, 2023 12:13 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>; Bratcher, Michael, EMNRD
<<u>mike.bratcher@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>;
Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@emnrd.nm.gov</u>>
Cc: Tacoma Morrissey <<u>tmorrissey@ensolum.com</u>>; DelawareSpills /SM
<<u>DelawareSpills@exxonmobil.com</u>>
Subject: [EXTERNAL] XTO - Sampling Notification (Week of 2/6/23 - 2/10/23)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

XTO plans to complete final sampling activities at the following sites the week of Feb 6, 2023.

- ADU 641 / nAPP2302355577
- Remuda 500 / NAPP2300441385, NAPP2300448092, NAPP2300641362
- PLU 21 BD 125H / nAPP2229145683

Thank you,

Garrett Green Environmental Coordinator Delaware Business Unit (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

Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

| Operator: | OGRID: |
|------------------------|-------------------------------------------|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 207153 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2302355577 AVALON DELAWARE UNIT 624, thank you. This closure is approved. 8/30/2023 rhamlet

Action 207153

Condition Date

| State of New Mexico |
|---------------------------------|
| Energy, Minerals and Natural Re |