

June 25, 2024

New Mexico Energy Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Deferral Request
Goldenchild Battery
Incident Number nAPP2400933895
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document site assessment, excavation, and soil sampling activities at the Goldenchild Battery (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Deferral Request*, describing site assessment, excavation, and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2400933895 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 6, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.15284°, -104.01577°) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

On December 27, 2023, a 6-inch tee inlet fitting connected to surface piping corroded and resulted in the release of approximately 18 barrels (bbls) of produced water onto the surface of the pad and into the adjacent pasture area. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 7 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 9, 2024. The release was assigned Incident Number nAPP2400933895.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on a nearby soil boring drilled for determining depth to groundwater. On November 18, 2020, soil boring (C-4493 POD 1) was drilled approximately 300 feet southwest of the Site. Soil boring C-4493 POD 1 (noted as BH-01 in the Well Record and Log) was advanced to a total depth of 57 feet bgs. A field geologist logged and described soils continuously. Groundwater was encountered during drilling

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activities at a depth of 39 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. Soil boring C-4493 POD 1 Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is the Pecos River, located approximately 1,223 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On February 20, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four delineation soil samples (SS01 through SS04) were collected within the release extent from a depth of approximately 0.5 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected during the site assessment 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 constituents 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.

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated that chloride concentrations exceeded the Closure Criteria. Delineation soil samples SS03 and SS04 also contained TPH concentrations that exceeded the Closure Criteria. Benzene and BTEX concentrations for SS01 through SS04 were below the Closure Criteria. Based on visible staining in the release area and laboratory analytical results, additional delineation and excavation activities were warranted.

CULTURAL RESOURCE SURVEY

Since a portion of the release occurred in pasture area managed by NMSLO, XTO submitted an Archaeological Records Management System (ARMS) review for access approval prior to conducting excavation activities at the Site. The ARMS review was conducted by Beaver Creek Archaeology (BCA)



and results indicated that the entire area of potential effect or project area has been previously surveyed and no cultural properties were found within the survey areas. Results of the ARMS survey are presented on a Cultural Resources Cover Sheet and is presented in Appendix C. Positive comments on the Cultural Resources Cover Sheet include:

• The proposed workspace and area of potential effect (APE) are located entirely on existing disturbance and portions of which have also covered by multiple previous surveys, Activity Numbers: 131156, 148061, 144874, 142593, 140267, 135954, 142593, and 146754. No previously recorded sites are located within or within 100 feet of the APE. As such, no futher archaeological work is recommended for the project as it is currently planned.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On March 18, 2024, Ensolum personnel were at the Site to oversee delineation activities. Four boreholes (BH01 through BH04) were advanced within the release extent area to assess the vertical extent of the release. Boreholes BH01 through BH04 were advanced in the vicinity of soil samples SS01 through SS04, respectively. Delineation soil samples were collected at the terminal depth of each borehole which ranged from 3 feet to 4 feet bgs. Six additional delineation soil samples (SS05 through SS10) were collected around the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the release. The delineation soil samples were field screened for VOCs and chloride as described above. The delineation soil samples were collected and handled as described above and were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the same COCs listed above but chlorides were analyzed following EPA Method SM4500. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix D. The delineation soil sample locations are depicted on Figure 2.

On April 25 and 26, 2024, impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results. Excavation activities were performed using a backhoe and transport vehicles. The excavation occurred on the well pad near production equipment and in the adjacent pasture area. To direct excavation activities, Ensolum personnel screened soil for VOCs and chlorides. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS07 were collected from the floor of the excavation from depths ranging from 2 feet to 4 feet bgs. Confirmation sidewall soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above and taken to Cardinal. The excavation extent and confirmation soil sample locations are presented on Figure 3.

Based on laboratory analytical results for confirmation floor soil sample FS03 collected at 4 feet bgs, TPH concentrations slightly exceeded (103.5 mg/kg) the Closure Criteria and Ensolum personnel returned to the Site to oversee additional excavation activities on May 14, 2024. The area of FS03 was excavated to a total depth of 5 feet bgs and composite floor soil sample FS03A was collected in the newly excavated area. Since FS03A is located near the excavation sidewall, composite sidewall soil sample SW07 was collected at depths ranging from ground surface to 5 feet bgs.



The final excavation extent measured approximately 1,215 square feet. A total of approximately 180 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Landfill Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH01 through BH03, SS05 through SS10, and confirmation soil samples FS01, FS02, FS03A, FS04 through FS07, and all sidewall confirmation soil samples collected indicated COC concentrations in compliance with the Site Closure Criteria and reclamation requirements.

Laboratory analytical results indicated that TPH and chloride concentrations exeeded Closure Criteria in soil sample BH04 collected at 4 feet bgs, however, the excavation in this area was advanced to 4 feet bgs and confirmation soil sample FS02 was subsequently collected, thus providing vertical definition in the area of BH04. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.

RECLAMATION PLAN

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured topsoil in the pasture area. One representative 5-point composite sample will be collected from the backfill material to confirm compliance with the NMOCD requirement for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The backfill sample will be handled and analyzed following the same procedures as described above.

Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The below NRCS recommended seed mix will be used to seed the Site at the rate specified in pounds of pure live seed (PLS) per acre. Seed species will include:

| Species/Cultivar | PLS/Acre |
|------------------------------|----------|
| Grama, Blue (Hachita) | 0.81 |
| Bluestem, Little | 0.67 |
| Sand, Mesa, Giant Dropseed | 0.05 |
| Grama, Sideoats | 2.28 |
| Wheatgrass, Western (Barton) | 2.38 |

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled and the seed will be raked in by chaining or dragging the Site. Reclamation activities will be documented with photographs and will be timestamped with Global Positioning System (GPS) data in decimal degrees. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and site degradation, and to monitor for and treat invasive and noxious weed species.

• Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.



- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of predisturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and process piping preventing full excavation of impacted soil. XTO safety policy restricts soil disturbing activities within a 2-foot radius of any on-site, active production equipment. The estimated area of remaining impacted soil measures an area of approximately 400 square feet, and 50 cubic yards of impacted soil remains in place, assuming a depth of 3.5 feet bgs based on delineation and confirmation soil sample laboratory analytical results near the deferral area. The impacted soil is limited to the area beneath active production equipment and surface piping where remediation would require major facility deconstruction. The deferral area is vertically defined by delineation soil samples BH01 through BH03 and all confirmation floor soil samples collected. The release is laterally defined by delineation soil samples SS05 through SS10 and all confirmation sidewall soil samples collected. The proposed deferral area and all delineation and excavation soil samples used to define the deferral area are depicted on Figure 4. The excavation was backfilled on June 6, 2024 with caliche and topsoil material purchased locally and the area was re-contoured to match pre-existing conditions.

XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Based on the presence of active production equipment and process piping within the release area, and the complete lateral and vertical definition of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Number nAPP2400933895 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,

Ensolum, LLC

Tracy Hillard Project Manager

Tought Hard

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

ashley L. ager

cc: Amy Ruth, XTO

Amanda Garcia, XTO

NMSLO



Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Figure 4 Proposed Deferral Area

Table 1 Soil Sample Analytical Results Appendix A Referenced Well Records

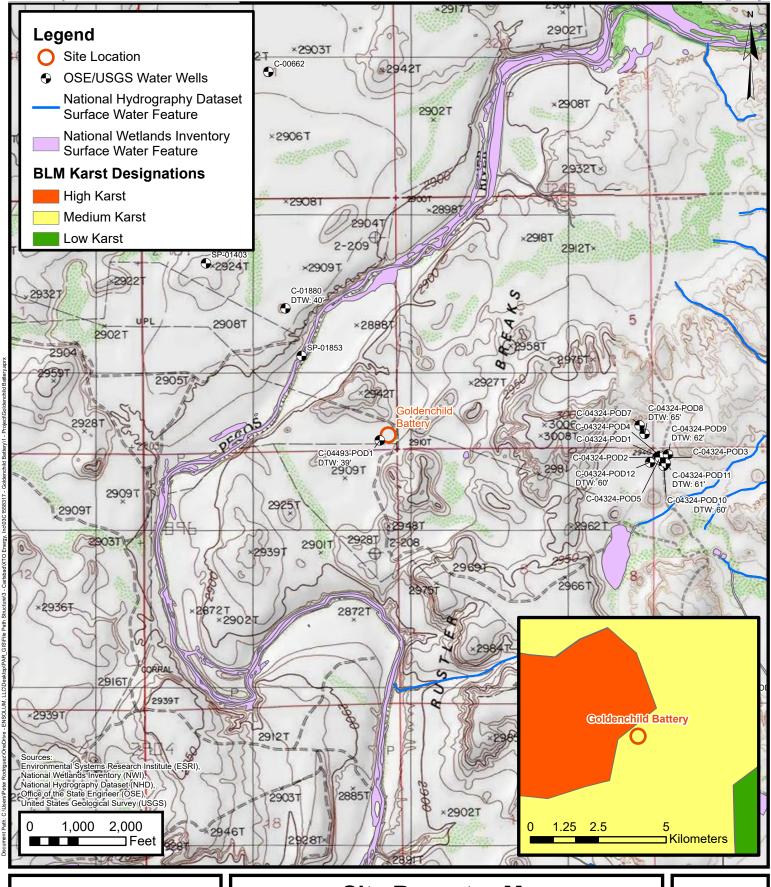
Appendix B Photographic Log

Appendix C Cultural Resources Cover Sheet Appendix D Lithologic / Soil Sampling Logs

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



FIGURES





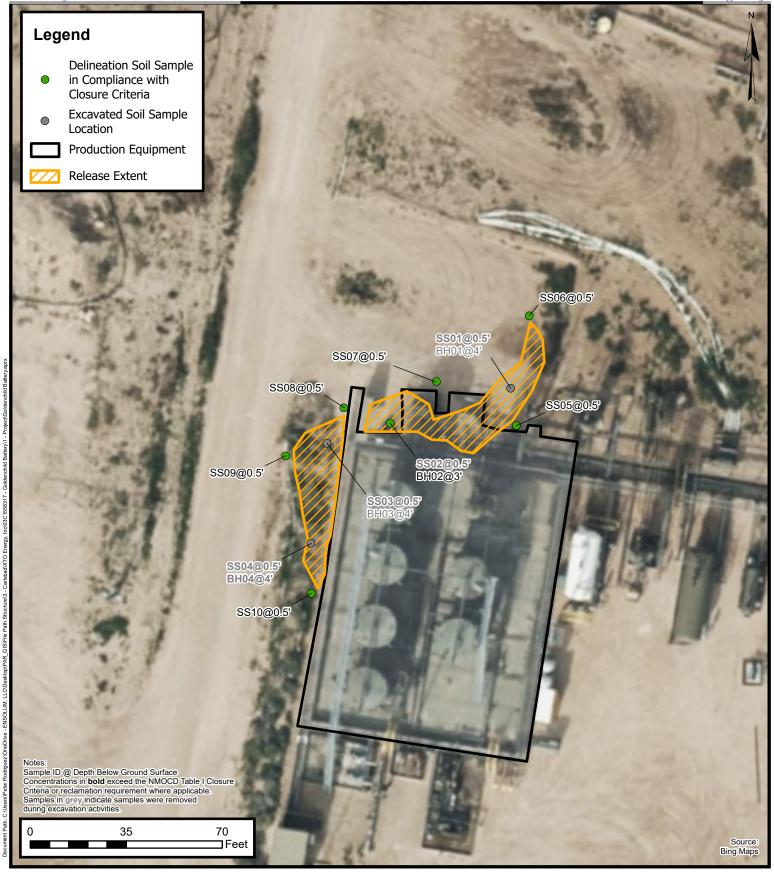
Site Receptor Map

XTO Energy, Inc Goldenchild Battery

Incident Number: nAPP2400933895

Unit P, Sec 6, T25S, R29E Eddy County, New Mexico FIGURE

1





Delineation Soil Sample Locations

XTO Energy, Inc Goldenchild Battery

Incident Number: nAPP2400933895

Unit P, Sec 6, T25S, R29E Eddy County, New Mexico FIGURE 2



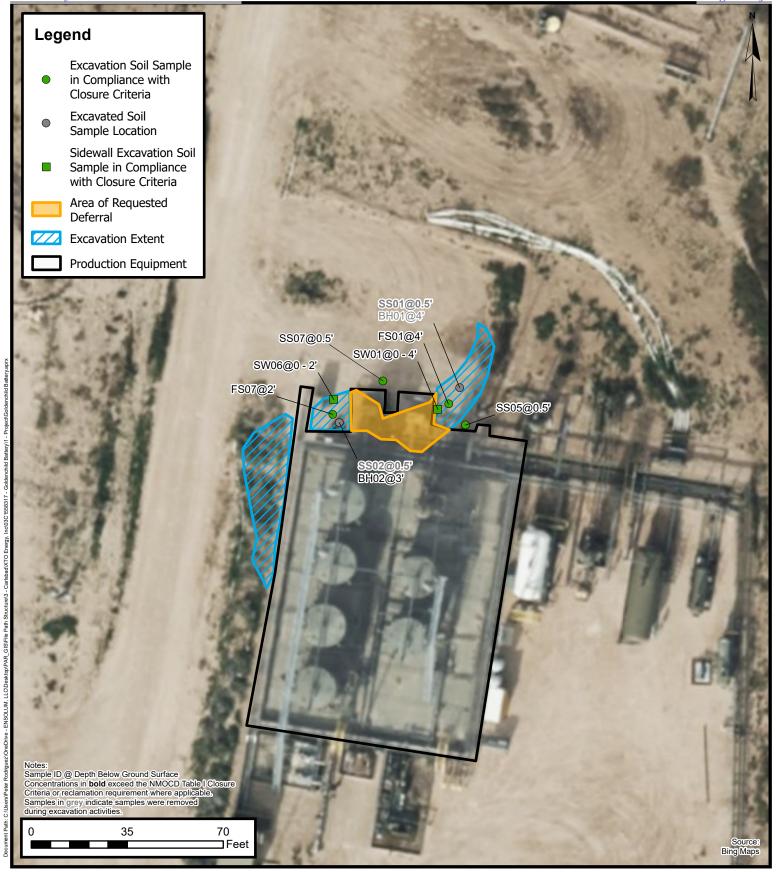


Excavation Soil Sample Locations

XTO Energy, Inc Goldenchild Battery

Incident Number: nAPP2400933895

Unit P, Sec 6, T25S, R29E Eddy County, New Mexico FIGURE 3





Area of Requested Deferral

XTO Energy, Inc Goldenchild Battery

Incident Number: nAPP2400933895

Unit P, Sec 6, T25S, R29E Eddy County, New Mexico FIGURE

4



TABLES



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS Goldenchild Battery** XTO Energy, Inc **Eddy County, New Mexico**

| Sample I.D. | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|-------------------|--------------------|----------------------------|--------------------|-----------------------|--------------------|--------------------|---------------------|---------------------|----------------------|---------------------|
| NMOCD Table I C | Closure Criteria (| NMAC 19.15.29) | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| | | | | Delir | neation Soil Sai | nples | <u> </u> | | <u> </u> | |
| SS01 | 02/20/2024 | 0.5 | <0.00199 | <0.00398 | <49.7 | <49.7 | <49.7 | <49.7 | <49.7 | 9,710 |
| BH01 | 03/18/2024 | 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64 |
| SS02 | 02/20/2024 | 0.5 | <0.00201 | <0.00402 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 8 ,140 |
| BH02 | 03/18/2024 | 3 | < 0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 336 |
| SS03 | 02/20/2024 | 0.5 | <0.00202 | <0.00403 | < 50.2 | 2,970 | <50.2 | 2,970 | 2,970 | 6 ,520 |
| BH03 | 03/18/2024 | 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 208 |
| \$\$04 | 02/20/2024 | 0.5 | <0.00199 | <0.00398 | <50.4 | 216 | <50.4 | 216 | 216 | 7,800 |
| BH04 | 03/18/2024 | 4 | <0.050 | <0.300 | <10.0 | 884 | 242 | <10.0 | 1,126 | 4,500 |
| SS05 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64 |
| SS06 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96 |
| SS07 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80 |
| SS08 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80 |
| SS09 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64 |
| SS10 | 03/18/2024 | 0.5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80 |
| | | | | Confi | rmation Soil Sa | ımples | | | | |
| FS01 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 208 |
| FS02 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 240 |
| FS03 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | 84.9 | 18.6 | 84.9 | 103.5 | 512 |
| FS03A | 05/14/2024 | 5 | < 0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| FS04 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | 15.1 | <10.0 | 15.1 | 15.1 | 112 |
| FS05 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | 36.0 | <10.0 | 36.0 | 36.0 | 288 |
| FS06 | 04/26/2024 | 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 320 |
| FS07 | 04/26/2024 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| SW01 | 04/26/2024 | 0 - 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| SW02 | 04/26/2024 | 0 - 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| SW03 | 04/26/2024 | 0 - 4 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |

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Released to Imaging: 7/10/2024 3:33:02 PM

Received by OCD: 6/25/2024 5:19:51 PM



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Goldenchild Battery XTO Energy, Inc Eddy County, New Mexico

| Sample I.D. | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------|--|----------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| NMOCD Table I Cl | IMOCD Table I Closure Criteria (NMAC 19.15.29) | | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| SW04 | 04/26/2024 | 0 - 4 | <0.050 | <0.300 | <10.0 | 39.8 | <10.0 | 39.8 | 39.8 | 32.0 |
| SW05 | 04/26/2024 | 0 - 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 48.0 |
| SW06 | 04/26/2024 | 0 - 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 240 |
| SW07 | 05/14/2024 | 0 - 5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96 |

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

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APPENDIX A

Referenced Well Records



| NO | OSE POD NO. POD1 (BH | | | | WELL TAG ID NO. 1/a | | | OSE FILE NO(S C-4493 | S). | | | |
|----------------------------------|---------------------------|---|---------------------------------|---------------|---|--------------|-------------|-------------------------|--------------------------------|--------------------|----------------------------|----------|
| OCATI | WELL OWNER | | | | | | | PHONE (OPTIC | ONAL) | | | |
| GENERAL AND WELL LOCATION | WELL OWNER 6401 Holida | | | | | | | CITY Midland | | STATE TX 7 | 79707 | ZIP |
| L AND | WELL LOCATION | | DE | GREES 32° | MINUTES 9' | SECON 9.0 | | * ACCURACY | REQUIRED: ONE TENT | TH OF A SECO | ND | |
| TERA | (FROM GPS | a | | -104° | 0' | 58.8 | | * DATUM REG | QUIRED: WGS 84 | | | |
| 1. GEN | DESCRIPTION SE NE SE | | IG WELL LOCATION TO 25S R29E | STREET ADDRE | SS AND COMMON | LANDM | ARKS – PLS | S (SECTION, TO | wnshjip, range) wh | ERE AVAILAE | BLE | |
| | LICENSE NO. | | NAME OF LICENSED | | ckie D. Atkins | | <u> </u> | | NAME OF WELL DRI Atkins Eng | LLING COMP | | ıc. |
| | DRILLING ST | | DRILLING ENDED | | PLETED WELL (FI | - | BORE HO | LE DEPTH (FT) | DEPTH WATER FIRS | | RED (FT) | |
| | 11/18/2 | 2020 | 11/18/2020 | tempora | ry well materia | | | 57 | STATIC WATER LEV | ±39 EL IN COMPL | ETED WEI | L (FT) |
| Z | COMPLETED | WELL IS: | ARTESIAN | DRY HOLE | SHALLO | W (UNCC | NFINED) | | | 37.05 | | |
| 2. DRILLING & CASING INFORMATION | DRILLING FL | UID: | ✓ AIR | ☐ MUD | ADDITIV | ES – SPE | | | | | | |
| ORM | | ILLING METHOD: TOTARY HAMMER CABLE TOOL TOTHER - SPECIFY: Hollow Stem Auger | | | | | | | | | | |
| GINE | DEPTH (| feet bgl) TO | BORE HOLE DIAM | | IATERIAL AND GRADE | | | ASING NECTION | CASING INSIDE DIAM. | | ASING WALL SLITHICKNESS SI | |
| ASIN | 1110111 | | (inches) | (include ea | ch casing string, ections of screen) | and | 1 | TYPE ling diameter) | (inches) | (inch | | (inches) |
| 3 & C | 0 | 57 | ±8.5 | В | oring- HSA | | | - | | | | |
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| DRII | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | DEPTH (| feet bgl) | BORE HOLE | LIS | Γ ANNULAR SE | EAL MA | TERIAL A | AND | AMOUNT | | METHO | O OF |
| MAT | FROM | то | DIAM. (inches) | GRAV | EL PACK SIZE | RANGI | E BY INTE | ERVAL | (cubic feet) | | PLACEM | ENT |
| ATE | | | | | | | | | | | | |
| K M | | . , | | | | - | | | | | | |
| ANNULAR MATERIAL | | | | | | | | | OSE DII DEC | 17 2020 | ~3:30 | |
| 3. AN | | | | | | | | | | | | |
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| | OSE INTERI | NAL USE | | . | l non · · · | | 1 | | 0 WELL RECORD | & LOG (Ver | sion 06/30 |)/17) |
| | ENO. C | - 49 199 | 72.5 | 55 87 | POD NO | , | <i>I</i> | WELL TAG I | 1 / / | <u>(2)</u> | PAGE | 1 OF 2 |
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|------------------------------|---|---------------|---------------------|---|---|------------------|------------|-----------------------|---------|--|
| | DEPTH (i | reet bgl) | THICKNESS (feet) | INCLUDE WATE | O TYPE OF MATERIAL E R-BEARING CAVITIES C plemental sheets to fully d | R FRACTURE | ZONES | WAT BEAR (YES / | NG? | ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm) |
| ĺ | 0 | 1 | 1 | Caliche, Poorly co | onsolidated, with gravel, O | f -White -Light | Brown | Y | √ N | |
| | 1 | 2 | 1 | Sand, Very fir | ne- grained,poorly-graded, v | with caliche ,Br | own | Y | √ N | |
| 1 | 2 | 14 | 12 | | nsolidated, with gravel, Off | | | Y | √ N | |
| | 14 | 29 | 15 | | idated, low plasticity, cohe | - | | Y | √N | ı |
| | 29 | 57 | 28 | · · · | ry fine-grained, well consol | | | ✓ Y | N | |
| ا د | | | | , | | | <u> </u> | Y | N | |
| 4. HYDROGEOLOGIC LOG OF WELL | | | | | | | | Y | N | |
|)F W | | | | | , | | | Y | N | |
|) 90 | | | | | | | | Y | N | |
| כונ | | | | | | | | Y | N | |
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| | | CED TO EC | | OF WASTER DE ARRY | · con · m · | | - I more | Y | N | |
| | PUM | _ | | OF WATER-BEARING BAILER OT | HER – SPECIFY: | • | | AL ESTIM | | 0.00 |
| z | WELL TES | | | | A COLLECTED DURING | | | | | |
| TSION | | | | | | | | | | |
| (RV) | MISCELLA | NEOUS IN | FORMATION: To | emporary well materia | ls removed and the soil | poring plugge | | | | |
| TEST; RIG SUPERV | | | | ck per 5.2 gallons of vogs adapted from LTE | | | 05E D | TOEC 1 | 7 2020 |) PM3:30 |
| IIG 8 | | | | • | | | | | | |
| T; F | | | | | | | | | | |
| | PRINT NAM | TE(S) OF D | RILL RIG SUPER | RVISOR(S) THAT PROV | VIDED ONSITE SUPERV | ISION OF WEI | LL CONSTRU | CTION O | THER TH | IAN LICENSEE: |
| 5. | Shane Eldric | dge | | | | | | | | |
| E | | | | | EST OF HIS OR HER KNO D THAT HE OR SHE WII | | | | | |
| TUR | | | | | PLETION OF WELL DRIL | | LLL RECO. | WILLI | 017 | |
| SIGNATURE | Jack K | Atkins | | Jac | kie D. Atkins | | | 12/1 | 5/20 | I |
| 6. 8 | <u> </u> | SIGNAT | URE OF DRILLE | ER / PRINT SIGNEE I | NAME | _ | | | DATE | , |
| | | | | | | | | | | |
| | E NO. (- | NALUSE 44X | ч | | POD NO. 1 | · I | NO. | | | rsion 06/30/2017) |
| - | | 440 444 | 1 77 = | PIGE | L COD NO. | | | 8163 | 8 | PAGE 2 OF 2 |
| LOC | CATION C | -17(| 165 | ILLTE Del | <u> </u> | WELL TAG | ID NO. | NA | | PAGE 2 OF 2 |



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc Goldenchild Battery Incident Number nAPP2400933895





Photograph: 1 Date: 2/20/2024

Description: Soil staining in release footprint

View: South

Photograph: 2 Date: 2/29/2024 Description: Soil staining in release footprint

View: Southeast





Photograph: 3 Date: 3/18/2024

Description: Delineation activities with hand auger

View: South

Photograph: 4 Date: 4/25/2024

Description: Excavation activities

View: North



Photographic Log

XTO Energy, Inc Goldenchild Battery Incident Number nAPP2400933895





Photograph: 5 Date: 4/26/2024

Description: Final excavation extent

View: North

Photograph: 6 Date: 4/26/20224

Description: Final excavation extent

View: Southwest





Description: Final excavation extent

View: Northwest



Photograph: 8 Date: 6/6/2024

Description: Excavation backfilled

View: South



APPENDIX C

Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

| E Libit E (calcul acc) | NMCRIS Activity Number: (if applicable) |
|--|--|
| Exhibit Type (select one) | |
| ARMS Inspection/Review - | Summarize the results (select one): |
| current standar (B) The entire area current standar (C) The entire area chas not been su | of potential effect or project area has been previously surveyed to ds and no cultural properties were found within the survey area. of potential effect or project area has been previously surveyed to ds and cultural properties were found within the survey area. of potential effect or project area has not been previously surveyed or rveyed to current standards. A complete archaeological survey will be submitted for review. |
| Archaeological Survey | |
| Findings: | |
| Negative - No furthe | r archaeological review is required. |
| Positive - Have avoid | ance and protection measures been devised? Select one: |
| which have also cover | ace and APE are located entirely on existing disturbance and portions of red by multiple previous surveys, Activity Numbers: 131156, 148061, 67, 135954, 142593, and 146754. No previously recorded sites are located |
| Project Details: | |
| NMSLO Lease Number (if availa | |
| Cultural Resources Consultant: | Beaver Creek Archaeology |
| Project Proponent (Applicant): | Ensolum on behalf of XTO |
| Project Title/Description: Golde | enchild SWD pad Remediation II |
| Project Location: | |
| County(ies): Eddy | |
| PLSS/Section/Township/Ra | nge): _{T25S R29E} S6 |
| For NMSLO Agency Use Only: | |
| NMSLO Lease Number: | Acknowledgment-Only: |
| Lease Analyst | |

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

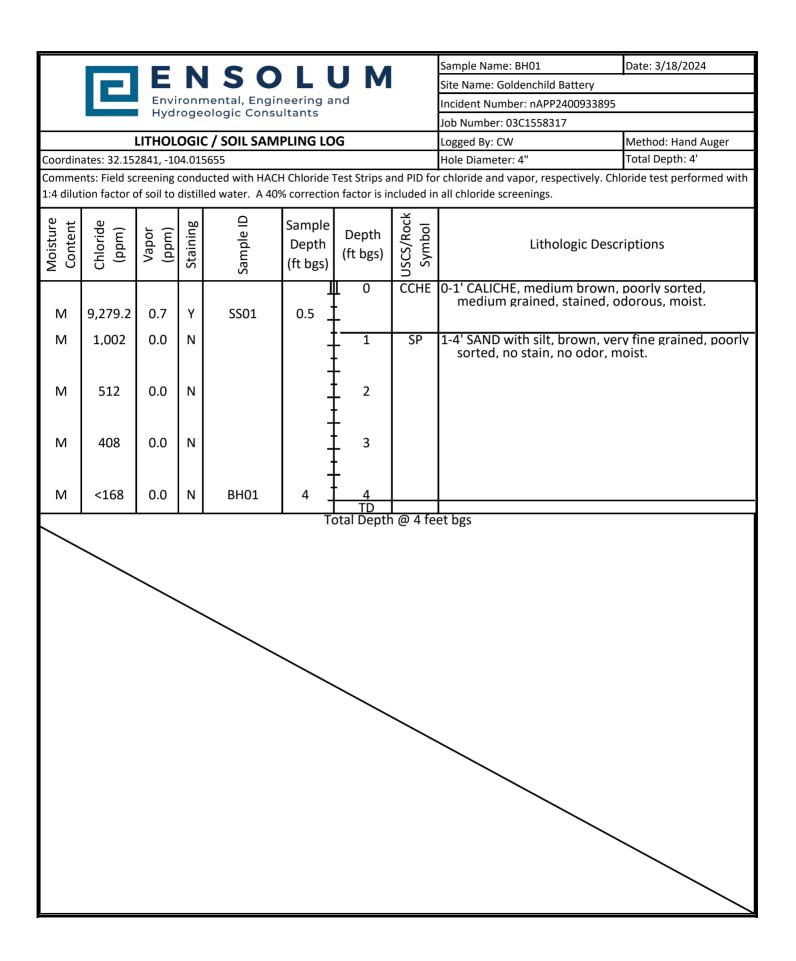
Form Revised 12 22

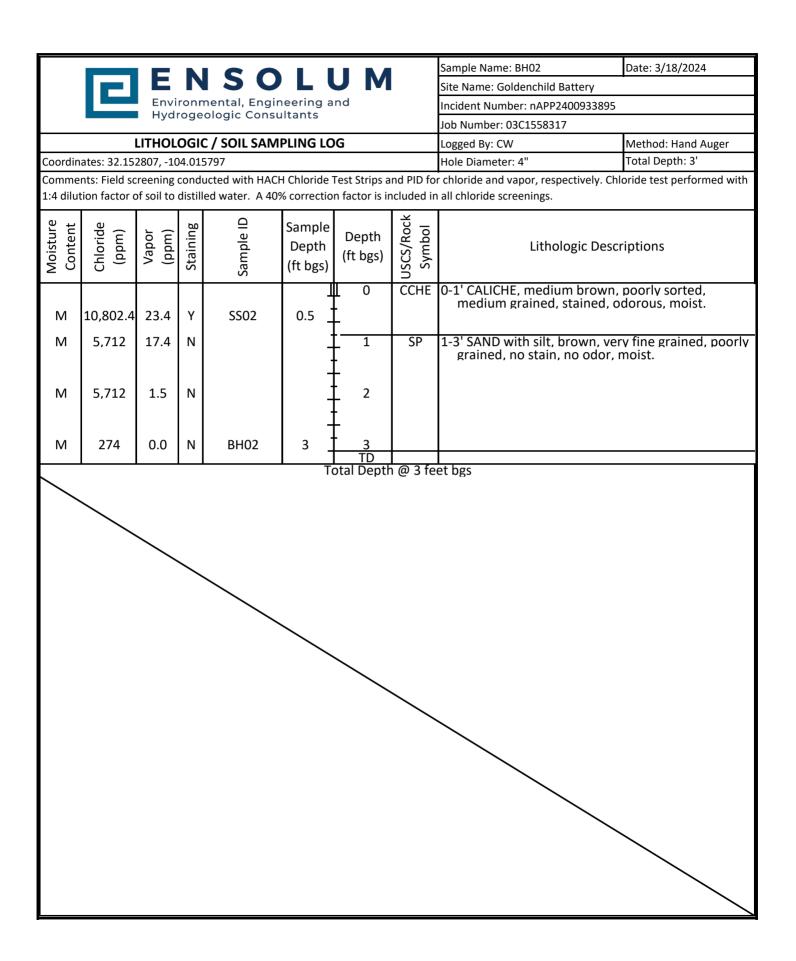
Date Exhibit Routed to Cultural Resources Office:

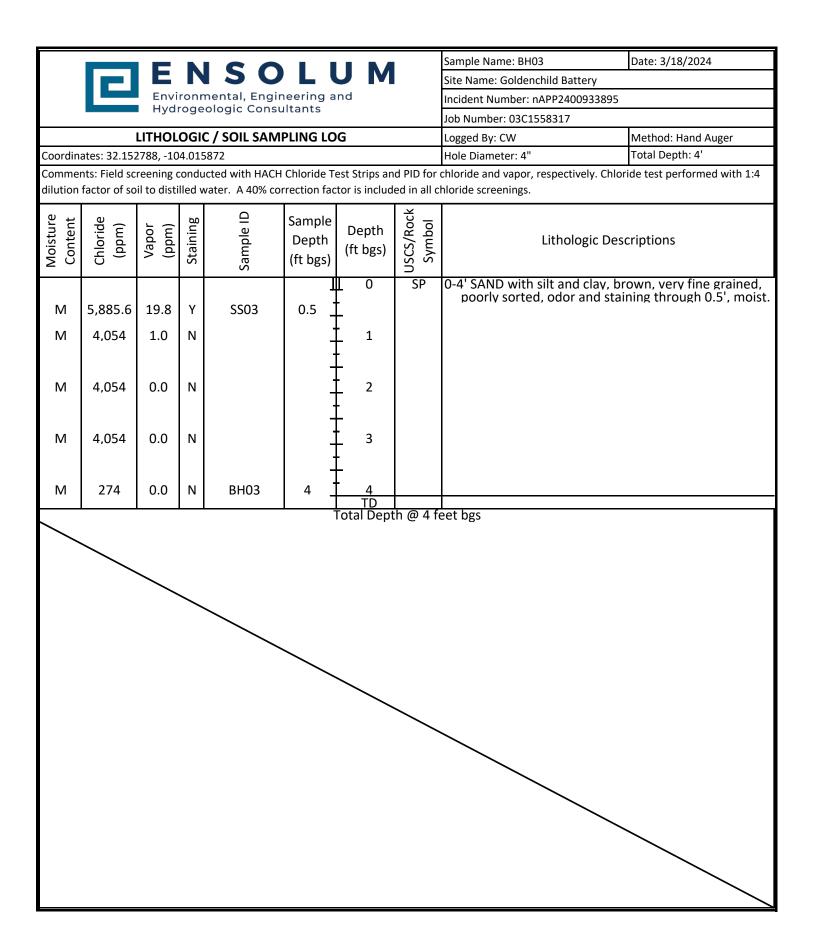


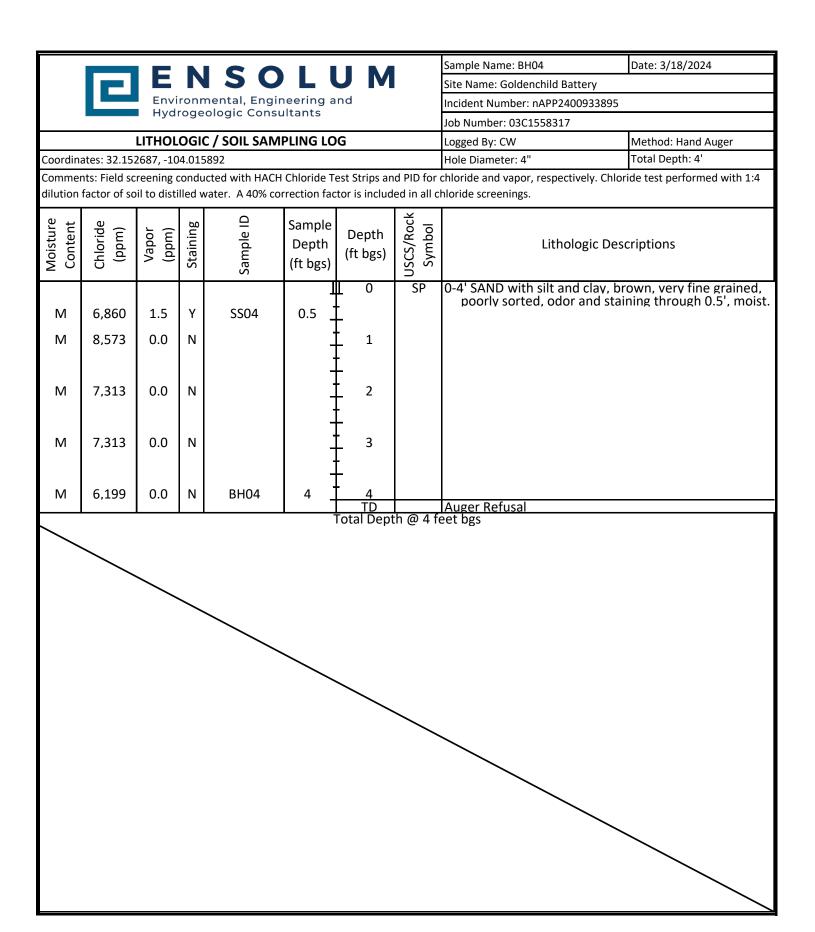
APPENDIX D

Lithologic Soil Sampling Logs











APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



May 02, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: GOLDENCHILD BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/26/24 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO 32.15284, -104.01577

mg/kg

Sample ID: FS 01 4' (H242258-01)

BTEX 8021B

| BIEX GOEED | 9 | 119 | Anaryzo | a 2 y : 3 : 1 | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | Analyzed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 220 | 110 | 200 | 5.12 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 216 | 108 | 200 | 7.53 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Reported: 05/02/2024

Project Name: **GOLDENCHILD BATTERY**

Project Number: 03C1558317

Project Location: XTO 32.15284, -104.01577 Sampling Date: 04/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 02 4' (H242258-02)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | | Analyzed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 05/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.5 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Reported: 05/02/2024

Project Name: **GOLDENCHILD BATTERY**

Project Location: XTO 32.15284, -104.01577

03C1558317

Sampling Date: 04/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 4' (H242258-03)

Project Number:

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 05/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | 84.9 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | 18.6 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.1 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



04/26/2024

Soil

Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date:
Reported: 05/02/2024 Sampling Type:

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO 32.15284, -104.01577

ma/ka

Sample ID: FS 04 4' (H242258-04)

RTFY 8021R

| B1EX 8021B | mg, | ^и кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | 15.1 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.6 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil Project Name: **GOLDENCHILD BATTERY** Sampling Condition:

Cool & Intact Sample Received By: Project Number: 03C1558317 Shalyn Rodriguez

Project Location: XTO 32.15284, -104.01577

Sample ID: FS 05 4' (H242258-05)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|---------------------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | e, SM4500Cl-B mg/kg | | | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | 36.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.4 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO 32.15284, -104.01577

mg/kg

Sample ID: SW 01 0-4' (H242258-06)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.1 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: **GOLDENCHILD BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558317 Shalyn Rodriguez

Project Location: XTO 32.15284, -104.01577

Sample ID: SW 02 0-4' (H242258-07)

| BTEX 8021B | mg/kg | | Analyzed By: JH | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 59.9 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO 32.15284, -104.01577

Sample ID: SW 03 0-4' (H242258-08)

RTFY 8021R

| B1EX 8021B | mg/ | кд | Апатуге | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.7 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Reported: 05/02/2024

Project Name: GOLDENCHILD BATTERY
Project Number: 03C1558317

Project Location: XTO 32.15284, -104.01577

Sampling Date: 04/26/2024

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-4' (H242258-09)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | 39.8 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 49.1-14 | 18 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO 32.15284, -104.01577

mg/kg

Sample ID: SW 05 0-4' (H242258-10)

BTEX 8021B

| | <u> </u> | | | • • | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.1 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: XTO 32.15284, -104.01577

Sample ID: SW 06 0-2' (H242258-11)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.3 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: XTO 32.15284, -104.01577

mg/kg

Sample ID: FS 06 4' (H242258-12)

BTEX 8021B

| | <u> </u> | | | | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.4 | 2.00 | 3.11 | |
| Toluene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.97 | 98.3 | 2.00 | 2.25 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/01/2024 | ND | 1.98 | 99.2 | 2.00 | 2.05 | |
| Total Xylenes* | <0.150 | 0.150 | 05/01/2024 | ND | 5.79 | 96.6 | 6.00 | 2.08 | |
| Total BTEX | <0.300 | 0.300 | 05/01/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.7 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/26/2024 Sampling Date: 04/26/2024

Reported: 05/02/2024 Sampling Type: Soil

Project Name: **GOLDENCHILD BATTERY** Sampling Condition: Cool & Intact Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.15284, -104.01577

Sample ID: FS 07 2' (H242258-13)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/30/2024 | ND | 2.21 | 110 | 2.00 | 6.34 | |
| Toluene* | <0.050 | 0.050 | 04/30/2024 | ND | 2.33 | 117 | 2.00 | 9.84 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/30/2024 | ND | 2.53 | 126 | 2.00 | 11.3 | QM-07 |
| Total Xylenes* | <0.150 | 0.150 | 04/30/2024 | ND | 7.72 | 129 | 6.00 | 12.1 | QM-07 |
| Total BTEX | <0.300 | 0.300 | 04/30/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 05/01/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/30/2024 | ND | 199 | 99.5 | 200 | 1.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/30/2024 | ND | 193 | 96.4 | 200 | 0.167 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/30/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.7 | % 49.1-14 | 8 | | | | | | |

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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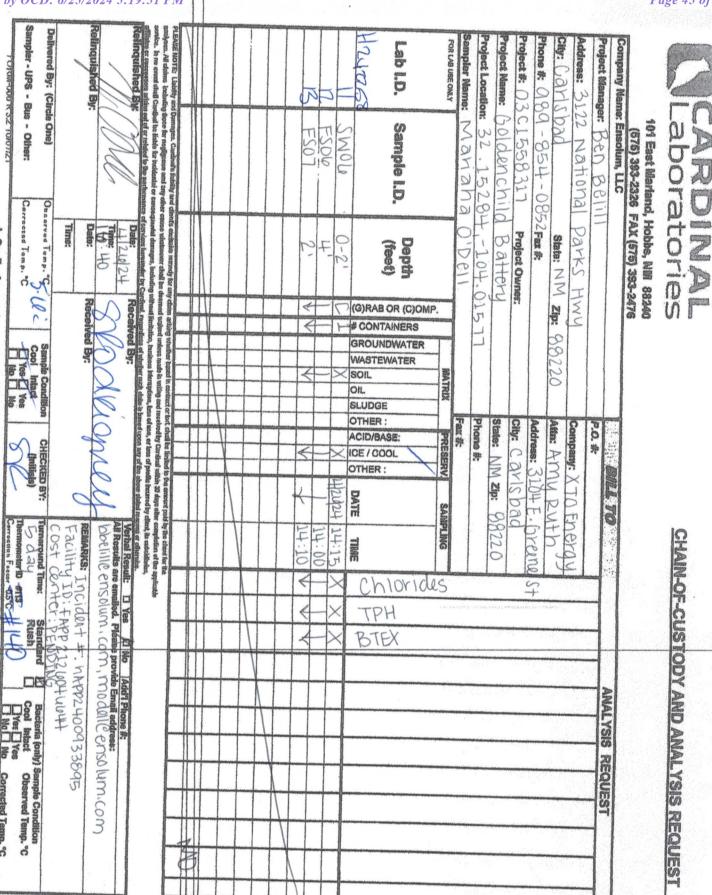
Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | Sampler - UPS - Bus - Other: C. | | Relinquished By: | | affiliates or successions unstay out of or related to the partormane Refinquished By: | for negl | | HOM S NOT | S SWOS | 7 SW02 | 6 SWOI | K FS05 | HOS4 h | 3 FS03 | 2 FS02 | FS01 | Hab I.D. Sample I.D. | - An and wall with | sampler Name: I A riaria | 52.1 | Project Name: (10)denchild | Project #: 030 1558317 | Phone #: 484-854-0852 | 0 | Address: 3122 National P | Project Wanager: Ben Belli | 1, LLC |
|---|--|----------------------|------------------------------|------------------------|---|---|-----------------|---|--------|--------|--------|--------|--------|--------|---|------------------|--|--------------------|----------------------------|------------|----------------------------|------------------------|-----------------------|----------------------|--------------------------|--|--------------------|
| † Cardinal cannot accept verbal c | 8 0 0 | | Dain: Received By: | 4120/24 Necesives sign | erson, are event statt Catapath to dashe for heldenfall or consequented demogre, including selfmed familiation, business information, business affect and of a related by the parthermone of services foresunder by Cardinal, regardless of whether much chain is thereof uson any of the above slabel records or otherwise. Netitrouising By: | | 18 1 18 12 14-0 | 0-14 | 0-4- | 0-4-0 | 11-0 | T | エ | T | F | Y | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | AP. MATRIX | O'Dell | 4104.01577 | Battery | Project Owner: | Fax #: | State: NM Zip: 88220 | Parks Hwy | | FAA (9/9) 393-2476 |
| Cardinal cannot accept verbal changes. Please email changes to celey teens@cardinallabsnm.com | udition CHECKED BY: Turnaround Time: Stand of Indials) Yes Indials Thormonology ID 4418 No Correction Fector 4576 | Tacility ID: FAPP: 2 | 10 | Verbal Result: | dana, lico ol tiuna, er fotas of profile hourred by client, lico ol tiuna, lico tass of profile hourred by client, lia cubalifinea, client lico ol tiuna, ar fotas of profile hourred by client, lia cubalifinea, client lico old lico aboue sluipoi rescons er otherwise. | corne a strong and clerify exclusive remedy for any claim arising whether based in contract or but chall be littled to the amount paid by the class for the | 6 6 6 95:41 X W | 1 | 11:25 | | 0.92 | 10.05 | 19.20 | 11.10 | 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | V 6.0 16/16/11 X | SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: THE THE BTEX | PRESERV. SAMPLING | Fax & | Phone #: | ZMZ | arishad. | 語 | NU RU | Company: XTO Fherau | P.O.# | |
| nallabsnm.com | cteria (only) s of Infact Yes Yes No No | #: n RPP 240093 3895 | olum.com, modelleensolum.com | ☐ Yes | | | | | | | | | | | | | | | | | | | | | | CONTRIBUTION OF THE PROPERTY O | |

Cardinal cannot accept verbal changes. Please email changes to celey teene@cardinallabsnm.com

Corrected Temp. °C





March 22, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: GOLDENCHILD BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Applyand By 14

Project Location: XTO

Sample ID: SS 05 0.5' (H241386-01)

DTEV 0021D

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 03/19/2024 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.3 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO

mg/kg

Sample ID: SS 06 0.5' (H241386-02)

BTEX 8021B

| DILX GOZID | ıııg, | , kg | Andryzo | .u Dy. 311 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 03/19/2024 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported: 03/22/2024

mg/kg

Project Name: **GOLDENCHILD BATTERY**

Project Number: 03C1558317

Project Location: XTO Sampling Date: 03/18/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Dionica Hinojos

Sample ID: SS 07 0.5' (H241386-03)

BTEX 8021B

| DILX GOZID | ıııg, | K9 | Allulyzo | .u by. 511 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | ed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | 'kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.0 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: JH

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Project Location: XTO

Sample ID: SS 08 0.5' (H241386-04)

| BTEX 8021B | mg | /kg | Analyze | ed By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO

Sample ID: SS 09 0.5' (H241386-05)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.1 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO

Sample ID: SS 10 0.5' (H241386-06)

RTFY 8021R

| B1EX 8021B | mg | / kg | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 61.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 53.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Project Location: XTO

Sample ID: BH 01 4' (H241386-07)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 64.8 | % 49.1-14 | 18 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Project Location: XTO

Sample ID: BH 02 3' (H241386-08)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.8 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO

ma/ka

Sample ID: BH 03 4' (H241386-09)

RTFY 8021R

| B1EX 8021B | mg/ | ^и кд | Anaiyze | a By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.5 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/18/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: **GOLDENCHILD BATTERY** Sampling Condition: Cool & Intact Project Number: 03C1558317 Sample Received By: Dionica Hinojos

Project Location: XTO

Sample ID: BH 04 4' (H241386-10)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.12 | 106 | 2.00 | 2.54 | |
| Toluene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.15 | 107 | 2.00 | 7.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/20/2024 | ND | 2.19 | 109 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 03/20/2024 | ND | 6.50 | 108 | 6.00 | 11.8 | |
| Total BTEX | <0.300 | 0.300 | 03/20/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4500 | 16.0 | 03/20/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2024 | ND | 192 | 96.0 | 200 | 2.82 | |
| DRO >C10-C28* | 884 | 10.0 | 03/19/2024 | ND | 200 | 99.8 | 200 | 6.32 | |
| EXT DRO >C28-C36 | 242 | 10.0 | 03/19/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.2 | % 49.1-14 | 8 | | | | | | |

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Celeg D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Sampler - UPS - Bus - Other: Delivered By: (Gircle One)

Observed

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 ratories

(575) 393-2326 FAX (575) 393-2476

| nAPP2400933885 | REMARKS: | Date: Received By: | Relinquished By: | Relinqui |
|-----------------------|--|---|--|--|
| BBelill@ensolum.com | BBelill@ | Time: | TIME | (|
| Verbal Result: | Name and Address of the Owner, where the Owner, which is the Own | 3/18/24 Received By | Relinquished By: | Relinqui |
| pplicable | d by Cardinal within 30 days after completion of the se, or loss of profits incurred by client, its subsidiarie upon any of the above stated reasons or otherwise | analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | nalyses. All claims including those for negligence and any other ervice. In no event shall Cardinal be liable for incidental or conse ffliates or successors arising out of or related to the performance | analyses. All c service. In no affiliates or sur |
| | hall be limited to the amount paid by the client for t | 10 BH04 PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remoty for any claim disking whether based in contract or tort, shall be limited to the amount gold by the client for the | 6 BH04 Second Text I shallow and clients to be second to | PLEASE NOT |
| | 1050 | | 9 BH03 | |
| | 1030 | U | 8 BH02 | |
| | 1015 | | 7 BH01 | |
| | 955 | 6 | 6 5510 | |
| | 95e | | 5 5509 | |
| | 948 | | 8 055 4 | |
| | 940 | | 3 5507 | |
| | 935 | | 2 5506 | |
| | 3/18/24 930 | 0.5 62 | 5505 | |
| TPH BTEX Chlori | ACID/BASE: CE COOL OTHER: DATE | (feet) (feet) (G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | I.D. Sample I.D. | Lab I.D. |
| de | PRESERV. SAMPLING | MATRIX | USE ONLY | FOR LAB USE ONLY |
| | # | Fax # | Sampler Name: Connor Whitman | Sample |
| | Phone #: | Pho | Project Location: | Project |
| | State: NM Zip: 88220 | | Project Name: Goldenchild Battery | Project |
| | city: Carlsbad | Project Owner: XTO City | Project #: 03C1558317 | Project |
| | Address: 3104 E. Green St. | | #: 337 257-8307 | Phone #: |
| | Attn: Amy Ruth | State:NM Zip: 88220 Attr | Carlsbad | City: (|
| | Company: XTO Energy Inc. | | Address: 3122 National Parks Hwy | Address |
| | . #: | P.O. | Project Manager: Ben Belill | Project |
| ANALYSIS REQUEST | BILL TO | | Company Name: Ensolum, LLC | Compar |

Yes Yes

Condition

CHECKED BY: (Initials)

> Turnaround Time: Cost Center:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.
Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp, °C



May 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: GOLDENCHILD BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/14/24 16:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/14/2024 Sampling Date: 05/14/2024
Reported: 05/20/2024 Sampling Type: Soil

Project Name: GOLDENCHILD BATTERY Sampling Condition: Cool & Intact
Project Number: 03C1558317 Sample Received By: Shalyn Rodriguez

Applymed By MC

Project Location: XTO 32.15284, -104.01577

Sample ID: FS 03 A (H242654-01)

DTEV 0021D

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/17/2024 | ND | 2.03 | 102 | 2.00 | 3.73 | |
| Toluene* | <0.050 | 0.050 | 05/17/2024 | ND | 1.96 | 97.9 | 2.00 | 3.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2024 | ND | 1.99 | 99.5 | 2.00 | 3.39 | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2024 | ND | 5.69 | 94.8 | 6.00 | 3.24 | |
| Total BTEX | <0.300 | 0.300 | 05/17/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.7 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 05/16/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/16/2024 | ND | 181 | 90.6 | 200 | 2.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/16/2024 | ND | 183 | 91.7 | 200 | 0.657 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/16/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 70.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 61.8 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/14/2024 Sampling Date: 05/14/2024

Reported: 05/20/2024 Sampling Type: Soil

Project Name: **GOLDENCHILD BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558317 Shalyn Rodriguez

Project Location: XTO 32.15284, -104.01577

Sample ID: SW 07 (H242654-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/17/2024 | ND | 2.03 | 102 | 2.00 | 3.73 | |
| Toluene* | < 0.050 | 0.050 | 05/17/2024 | ND | 1.96 | 97.9 | 2.00 | 3.80 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/17/2024 | ND | 1.99 | 99.5 | 2.00 | 3.39 | |
| Total Xylenes* | < 0.150 | 0.150 | 05/17/2024 | ND | 5.69 | 94.8 | 6.00 | 3.24 | |
| Total BTEX | <0.300 | 0.300 | 05/17/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.2 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/16/2024 | ND | 416 | 104 | 400 | 7.41 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/16/2024 | ND | 181 | 90.6 | 200 | 2.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/16/2024 | ND | 183 | 91.7 | 200 | 0.657 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/16/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.9 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: | Envolum, L | THE | | BILL TO | | ANALYSIS | IS REQUEST | |
|--|--|--|--|--|---|---------------------|--|--------------|
| Project Manager: | X | | | P.O. #: | | | | |
| Address: 3122 | National | Pa | NU. | Company: AMNY RUT | 474 | | | |
| City: Carly bac | bb | State: NM | State: NM zip: 68220 | Attn: XTOENDRY | 4 X | | | |
| Phone #: 989 - 854 - 0852 | 854-085 | חד | | Address: 3104F. (5 | reene St | | No. of Contract of | |
| Project #: (3(15 | 1558317 | Project Owner: | ח | | | | | |
| Project Name: Joldon Child | idenchile | d Battery | | State: N/M Zip: 88220 | 20 | | | |
| Project Location: 32, 1528 4, -10 4.01577 | 32,15281 | +,-10 H. OIS | 77 | Phone #: | 12 | | | |
| Sampler Name: | | | | Fax #: | | | | |
| FOR LAB USE ONLY | | | MATRIX | SERV. | SAMPLING | | | |
| | | | RS | | H | | | |
| Lab I.D. | Sample I.D. | e I.D. | OR (C TAINER NDWAT WATE | ASE: | | TE X | | |
| 在43054 | | | CONT | OTHER ACID/B. CE / CO OTHER | CY | B | | |
|) | FJ03A | A | 1 X | X 5/14/24 | 13:45 XX | | | |
| | SMOT | * | C1 X | × | TX X CHILL | × | | |
| | | | | | | | | |
| | | | | | | 1 | | |
| | | | ***************** | | | | | |
| | | MAAAAA AA | | | | | | |
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| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cliented analyses. All claims including those for negligence and any other cause whatseever shall be deem | e for redificence and any of | d client's exclusive remedy for an | y claim arising whether based in contract serned waived unless made in writing an | PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be firrilled to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in written and received by Cardinal within 10 force after connection of the analysis. | by the client for the | | | |
| service. In no event shall Cardinal be liable for incidental or con affiliates or successors. **sing out of or related to the performan | be liable for incidental or co of or related to the performa | onsequental damages, including a ance of services hereunder by Ca | e, including without limitation, business interruptions, loss of use under by Cardinal, regardless of whether such claim is based. | ental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries services hereunder by Cardinal, regardless of whether such claim is based. "In any of the above stated reasons or otherwise." | kent, its subsidiaries, sons or otherwise. | | | |
| Kelinquisbea '34' | 1/20 | | Received By: | 44 | Verbal Result: ☐ Yes Ø No Add'I Phone #: All Results are emailed. Please provide Email address: | A No Add'I Phone #: | #: - | |
| 1/1/1/ | BR | 16:49 | SKODEIMIER | | bbelille ensoli | olum com, m | mode. 11@ ensolum.com | UM. COM |
| Relinquished By: | (| | Received By: | | TUCIDA | 2 | 2,4009 33895 | |
| | | Time: | | , | COSTACENTER | RYP 212 GOTTON | OING Cotton 44 | |
| Delivered By: (Circle One) | | Observed Temp. °C S. | 7 | CHECKED BY: | Turnaround Time: Si | Standard W Bacte | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C | on np. °C |
| Sampler - UPS - Bus - Other: | | Corrected Temp. °C | | 28 | 60 | | Yes Yes | mp. °C |
| The same and the s | Name and Address of the Owner, where the Person of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, where the Owner, where the Owner, which is the | | | | | | | - |

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 5 of 5

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/28/2024 3:38:43 PM

JOB DESCRIPTION

GOLDENCHILD BATTERY 03C1558317

JOB NUMBER

890-6233-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated 2/28/2024 3:38:43 PM

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

Client: Ensolum
Project/Site: GOLDENCHILD BATTERY
Laboratory Job ID: 890-6233-1
SDG: 03C1558317

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Definitions/Glossary

Job ID: 890-6233-1 Client: Ensolum Project/Site: GOLDENCHILD BATTERY

SDG: 03C1558317

Qualifiers

GC VOA

Qualifier **Qualifier Description** 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. MS/MSD RPD exceeds control limits F2

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

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL

Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

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 Minimum Detectable Concentration (Radiochemistry) MDC

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**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

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Case Narrative

Client: Ensolum Job ID: 890-6233-1

Project: GOLDENCHILD BATTERY

Eurofins Carlsbad Job ID: 890-6233-1

Job Narrative 890-6233-1

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

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

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

Receipt

The samples were received on 2/21/2024 11:50 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 0.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-6233-1), SS 02 (890-6233-2), SS 03 (890-6233-3) and SS 04 (890-6233-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-74049 and analytical batch 880-74123 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-74123 recovered above the upper control limit for Toluene and Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-74123/20).

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 880-74001 and analytical batch 880-74025 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SS 01 (890-6233-1), SS 02 (890-6233-2), SS 03 (890-6233-3), SS 04 (890-6233-4), (890-6251-A-7-E), (890-6251-A-7-F MS) and (890-6251-A-7-G MSD). Evidence of matrix interferences is not obvious.

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 880-74001 and analytical batch 880-74025. 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.

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

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Matrix: Solid

Lab Sample ID: 890-6233-1

Client Sample Results

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Client Sample ID: SS 01

Date Collected: 02/20/24 09:05
Date Received: 02/21/24 11:50

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--|---------------------------------|--|---------------|----------|---|--|---------------------------------------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| Toluene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| Ethylbenzene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| o-Xylene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88 | | 70 - 130 | | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 02/26/24 13:52 | 02/28/24 02:22 | 1 |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/28/24 02:22 | 1 |
| Method: SW846 8015 NM - Diese | el Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.7 | U | 49.7 | mg/Kg | | | 02/27/24 00:23 | 1 |
| - Method: SW846 8015B NM - Dies | | . (556) | | | | | | |
| | sel Range Orga | nics (DRO) | (GC) | | | | | |
| Analyte | • | Qualifier | (GC) | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Gasoline Range Organics | • | Qualifier | • | Unit mg/Kg | <u>D</u> | Prepared 02/26/24 09:46 | Analyzed 02/27/24 00:23 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result | Qualifier U | RL | | <u>D</u> | <u>·</u> | | 1 |
| | | Qualifier U | RL 49.7 | mg/Kg | <u> </u> | 02/26/24 09:46 | 02/27/24 00:23 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.7 <49.7 <49.7 | Qualifier U U U | 49.7 49.7 | mg/Kg | <u>D</u> | 02/26/24 09:46 | 02/27/24 00:23 | 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result <49.7 <49.7 <49.7 | Qualifier U U U | RL 49.7 49.7 49.7 | mg/Kg | <u> </u> | 02/26/24 09:46 02/26/24 09:46 02/26/24 09:46 | 02/27/24 00:23 02/27/24 00:23 02/27/24 00:23 | 1 1 1 <i>Dil Fac</i> |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate | Result | Qualifier U U Qualifier | ### RL 49.7 49.7 49.7 Limits | mg/Kg | <u>D</u> | 02/26/24 09:46 02/26/24 09:46 02/26/24 09:46 Prepared | 02/27/24 00:23 02/27/24 00:23 02/27/24 00:23 Analyzed | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <49.7 <49.7 <49.7 <49.7 | Qualifier U U Qualifier S1- S1- | RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130 | mg/Kg | <u>D</u> | 02/26/24 09:46 02/26/24 09:46 02/26/24 09:46 Prepared 02/26/24 09:46 | 02/27/24 00:23 02/27/24 00:23 02/27/24 00:23 Analyzed 02/27/24 00:23 | |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result | Qualifier U U Qualifier S1- S1- | RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130 | mg/Kg | <u>D</u> | 02/26/24 09:46 02/26/24 09:46 02/26/24 09:46 Prepared 02/26/24 09:46 | 02/27/24 00:23 02/27/24 00:23 02/27/24 00:23 Analyzed 02/27/24 00:23 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

Client Sample ID: SS 02 Lab Sample ID: 890-6233-2

Date Collected: 02/20/24 09:10 Date Received: 02/21/24 11:50

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | 02/26/24 13:52 | 02/28/24 02:42 | 1 |

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Matrix: Solid

Sample Depth: 0.5'

Sample Depth: 0.5'

Client: Ensolum Job ID: 890-6233-1

Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Client Sample ID: SS 02 Lab Sample ID: 890-6233-2 Date Collected: 02/20/24 09:10

Matrix: Solid Date Received: 02/21/24 11:50

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

| Surrogate | %Recovery | Qualifier | Limits | Prepare | ed Analyze | d Dil Fac |
|----------------------------|-----------|-----------|----------|----------|-------------------|-----------|
| 1.4-Difluorobenzene (Surr) | 101 | | 70 - 130 | 02/26/24 | 13:52 02/28/24 02 | 2:42 1 |

| Method: TAL SOP Total BTEX - Tot | al BTEX Calculation | | | | | | |
|----------------------------------|---------------------|----|------|---|----------|----------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |

| Analyte | Result | Quaimer | KL | Unit | U | Prepared | Analyzed | DII Fac |
|------------|----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 02/28/24 02:42 | 1 |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) | | | | | | | | | |
|--|-----------|------------------|------|-------|---|----------|----------------|---------|--|
| | Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | |
| | Total TPH | <49.8 U | 49.8 | mg/Kg | | | 02/27/24 00:48 | 1 | |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) | | | | | | | | | | | | |
|---|-----------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|--|--|--|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac | | | |
| | Gasoline Range Organics | <49.8 | U | 49.8 | mg/Kg | | 02/26/24 09:46 | 02/27/24 00:48 | 1 | | | |
| | (GRO)-C6-C10 | | | | | | | | | | | |
| | Diesel Range Organics (Over | <49.8 | U | 49.8 | mg/Kg | | 02/26/24 09:46 | 02/27/24 00:48 | 1 | | | |

| C10-C28) OII Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 02/26/24 09:46 02/27/24 00:48 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac | 1-Chlorooctane | 7 | S1- | 70 - 130 | | 02/26/24 09:46 | 02/27/24 00:48 | 1 |
|--|----------------|-----------|-----------|----------|-------|----------------|----------------|---------|
| , | Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
| | , | <49.8 | U | 49.8 | mg/Kg | 02/26/24 09:46 | 02/27/24 00:48 | 1 |

| 1-Chlorooctane | 7 S | 61- | 70 - 130 | 02/26/24 09:46 | 02/27/24 00:48 | 1 |
|---------------------------------------|--------------|-------------|----------|----------------|----------------|---|
| o-Terphenyl | 0.5 S | 61- | 70 - 130 | 02/26/24 09:46 | 02/27/24 00:48 | 1 |
| Method: FPA 300.0 - Anions, Ion C | hromatograph | v - Soluble | | | | |

| mothod: El A 000.0 Amono, ion o | in onlatography oblabio | | | | | | |
|---------------------------------|-------------------------|-----|-------|---|----------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 8140 | 101 | mg/Kg | | | 02/25/24 17:16 | 20 |

Client Sample ID: SS 03 Lab Sample ID: 890-6233-3

Date Collected: 02/20/24 09:15 **Matrix: Solid** Date Received: 02/21/24 11:50

|--|

| mothod. Offoro our in Toldt | no Organio Comp | ounas (SS) | , | | | | | |
|-----------------------------|-----------------|------------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1 Dramaficarahan-ana (Curr) | | | 70 120 | | | 00/06/04 10:50 | 00/00/04 00:00 | |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99 | 70 - 130 | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
| 1 4-Difluorobenzene (Surr) | 96 | 70 130 | 02/26/24 13:52 | 02/28/24 03:03 | 1 |

| 1,4-Difluorobenzene (Surr) | 96 | 70 - 130 | 02/26/24 13:52 | 02/28/24 03:03 | 1 |
|---------------------------------------|----------------|----------|----------------|----------------|---|
| Method: TAL SOP Total BTEX - Total BT | EX Calculation | | | | |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------------------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U | 0.00403 | mg/Kg | | | 02/28/24 03:03 | 1 |
| Mathadi CWOAC COAE NIM | Diagol Bower Owner | ine (DDO) | (00) | | | | | |

| Method. 3W040 0013 MM - Dieser Kange Organics (DKO) (GC) | | | | | | | | |
|--|-----------|-----------|-------------|-------|---|----------|----------------|---------|
| | Analyte | Result Qu | ualifier RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Total TPH | 2970 | 50.2 | mg/Kg | | | 02/27/24 01:12 | 1 |

Eurofins Carlsbad

2/28/2024

Matrix: Solid

Lab Sample ID: 890-6233-3

Job ID: 890-6233-1

Client: Ensolum Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Client Sample ID: SS 03

Date Collected: 02/20/24 09:15 Date Received: 02/21/24 11:50

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.2 | U | 50.2 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:12 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 2970 | | 50.2 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:12 | 1 |
| C10-C28) | | | | | | | | |
| Oll Range Organics (Over C28-C36) | <50.2 | U | 50.2 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 76 | | 70 - 130 | | | 02/26/24 09:46 | 02/27/24 01:12 | 1 |
| o-Terphenyl | 62 | S1- | 70 - 130 | | | 02/26/24 09:46 | 02/27/24 01:12 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy - Solubl | e | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | | |

Client Sample ID: SS 04 Lab Sample ID: 890-6233-4 Date Collected: 02/20/24 09:20 Matrix: Solid

Date Received: 02/21/24 11:50

Sample Depth: 0.5'

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|----------------|-------------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| Toluene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| Ethylbenzene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| o-Xylene | < 0.00199 | U | 0.00199 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | | | 02/26/24 13:52 | 02/28/24 03:23 | 1 |
| Method: TAL SOP Total BTEX - T | otal BTEX Cald | culation | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/28/24 03:23 | 1 |
| Method: SW846 8015 NM - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 216 | | 50.4 | mg/Kg | | | 02/27/24 01:36 | 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 (GRO)-C6-C10 | <50.4 | U | 50.4 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:36 | 1 |
| Diesel Range Organics (Over C10-C28) | 216 | | 50.4 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:36 | 1 |
| Oll Range Organics (Over C28-C36) | <50.4 | U | 50.4 | mg/Kg | | 02/26/24 09:46 | 02/27/24 01:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 41 | S1- | 70 - 130 | | | 02/26/24 09:46 | 02/27/24 01:36 | 1 |
| | | | | | | | | |

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Client Sample Results

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Client Sample ID: SS 04 Lab Sample ID: 890-6233-4

Date Collected: 02/20/24 09:20 Matrix: Solid
Date Received: 02/21/24 11:50

Sample Depth: 0.5'

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| L | Chloride | 7800 | | 49.6 | mg/Kg |] | | 02/25/24 18:07 | 10 |

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Surrogate Summary

Client: Ensolum Job ID: 890-6233-1 Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

| | | BFB1 | DFBZ1 | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|----------|--|
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-6233-1 | SS 01 | 88 | 99 | |
| 890-6233-1 MS | SS 01 | 124 | 100 | |
| 890-6233-1 MSD | SS 01 | 108 | 102 | |
| 890-6233-2 | SS 02 | 102 | 101 | |
| 890-6233-3 | SS 03 | 99 | 96 | |
| 390-6233-4 | SS 04 | 103 | 99 | |
| _CS 880-74049/1-A | Lab Control Sample | 100 | 99 | |
| _CSD 880-74049/2-A | Lab Control Sample Dup | 114 | 96 | |
| MB 880-74021/5-A | Method Blank | 129 | 129 | |
| MB 880-74049/5-A | Method Blank | 135 S1+ | 130 | |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|----------|----------|--|
| | | 1CO1 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-6233-1 | SS 01 | 8 S1- | 0.5 S1- | |
| 890-6233-2 | SS 02 | 7 S1- | 0.5 S1- | |
| 890-6233-3 | SS 03 | 76 | 62 S1- | |
| 890-6233-4 | SS 04 | 41 S1- | 32 S1- | |
| 890-6251-A-7-F MS | Matrix Spike | 2 S1- | 0.4 S1- | |
| 890-6251-A-7-G MSD | Matrix Spike Duplicate | 3 S1- | 0.3 S1- | |
| LCS 880-74001/2-A | Lab Control Sample | 93 | 85 | |
| _CSD 880-74001/3-A | Lab Control Sample Dup | 94 | 96 | |
| MB 880-74001/1-A | Method Blank | 174 S1+ | 160 S1+ | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

1

Client: Ensolum Job ID: 890-6233-1 SDG: 03C1558317 Project/Site: GOLDENCHILD BATTERY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74021/5-A

Matrix: Solid

Analysis Batch: 74123

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74021

| | MB | MB | | | | | | |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/26/24 11:29 | 02/27/24 14:15 | |
| | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 129 | | 70 - 130 | 02/26/24 11:2 | 02/27/24 14:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 129 | | 70 - 130 | 02/26/24 11:2 | 02/27/24 14:15 | 1 |

Lab Sample ID: MB 880-74049/5-A

Matrix: Solid

Analysis Batch: 74123

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

Prep Batch: 74049

| | MB | MB | | | | | | |
|---------------------|-----------|-----------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 13:52 | 02/28/24 01:53 | - |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 13:52 | 02/28/24 01:53 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/26/24 13:52 | 02/28/24 01:53 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/26/24 13:52 | 02/28/24 01:53 | |
| o-Xvlene | < 0.00200 | U | 0.00200 | ma/Ka | | 02/26/24 13:52 | 02/28/24 01:53 | |

0.00400

mg/Kg

MB MB

<0.00400 U

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 135 | S1+ | 70 - 130 | 02/26/24 13:52 | 02/28/24 01:53 | 1 |
| 1,4-Difluorobenzene (Surr) | 130 | | 70 - 130 | 02/26/24 13:52 | 02/28/24 01:53 | 1 |

Lab Sample ID: LCS 880-74049/1-A

Matrix: Solid

Xylenes, Total

Analysis Batch: 74123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74049

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.1160 | | mg/Kg | | 116 | 70 - 130 | |
| Toluene | 0.100 | 0.1063 | | mg/Kg | | 106 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1247 | | mg/Kg | | 125 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2118 | | mg/Kg | | 106 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1039 | | mg/Kg | | 104 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 99 | 70 - 130 |

Lab Sample ID: LCSD 880-74049/2-A

Matrix: Solid

Analysis Batch: 74123

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74049

| | Бріке | LCSD LCSD | | | | %Rec | | RPD |
|---------|--------------|------------------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1153 | mg/Kg | | 115 | 70 - 130 | 1 | 35 |

QC Sample Results

Client: Ensolum Job ID: 890-6233-1 Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

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

Lab Sample ID: LCSD 880-74049/2-A

Matrix: Solid

Analysis Batch: 74123

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74049

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Toluene | 0.100 | 0.1097 | | mg/Kg | | 110 | 70 - 130 | 3 | 35 | |
| Ethylbenzene | 0.100 | 0.1165 | | mg/Kg | | 116 | 70 - 130 | 7 | 35 | |
| m-Xylene & p-Xylene | 0.200 | 0.2037 | | mg/Kg | | 102 | 70 - 130 | 4 | 35 | |
| o-Xylene | 0.100 | 0.1155 | | mg/Kg | | 116 | 70 - 130 | 11 | 35 | |
| | | | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 |

Lab Sample ID: 890-6233-1 MS

Matrix: Solid

Analysis Batch: 74123

Client Sample ID: SS 01 Prep Type: Total/NA

Prep Batch: 74049

MS MS %Rec Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00199 0.101 0.09725 96 mg/Kg 70 - 130 Toluene <0.00199 U 0.101 0.09650 96 70 - 130 mg/Kg Ethylbenzene <0.00199 U 0.101 0.1129 70 - 130 mg/Kg 112 0.202 m-Xylene & p-Xylene <0.00398 U 0.2162 107 70 - 130 mg/Kg o-Xylene <0.00199 U 0.101 0.09884 mg/Kg 98 70 - 130

MS MS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 124 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | 70 - 130 |

Lab Sample ID: 890-6233-1 MSD

Matrix: Solid

Analysis Batch: 74123

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 74049

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---------------------|-----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.00199 | U | 0.100 | 0.1073 | | mg/Kg | | 107 | 70 - 130 | 10 | 35 |
| Toluene | < 0.00199 | U | 0.100 | 0.1022 | | mg/Kg | | 102 | 70 - 130 | 6 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.1029 | | mg/Kg | | 103 | 70 - 130 | 9 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1780 | | mg/Kg | | 89 | 70 - 130 | 19 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.09361 | | mg/Kg | | 93 | 70 - 130 | 5 | 35 |
| | | | | | | | | | | | |

MSD MSD

| Surroyale | 76Recovery | Qualifier | LIIIIII |
|-----------------------------|------------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

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

Lab Sample ID: MB 880-74001/1-A

Matrix: Solid

Analysis Batch: 74025

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

Prep Batch: 74001

мв мв Result Qualifier RL Unit Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 mg/Kg 02/26/24 09:46 02/26/24 12:29

(GRO)-C6-C10

Client: Ensolum Job ID: 890-6233-1 Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

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

Lab Sample ID: MB 880-74001/1-A **Matrix: Solid**

Analysis Batch: 74025

Diesel Range Organics (Over

OII Range Organics (Over C28-C36)

Analyte

C10-C28)

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 74001

MB MB Result Qualifier RL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 02/26/24 09:46 02/26/24 12:29 mg/Kg 50.0 02/26/24 09:46 02/26/24 12:29 <50.0 U mg/Kg

mg/Kg

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 174 | S1+ | 70 - 130 | 02/26/24 09:46 | 02/26/24 12:29 | 1 |
| o-Terphenyl | 160 | S1+ | 70 - 130 | 02/26/24 09:46 | 02/26/24 12:29 | 1 |

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA

Prep Batch: 74001

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Lab Sample ID: LCS 880-74001/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 74025 Prep Batch: 74001

746.4

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 908.2 91 70 - 130 mg/Kg (GRO)-C6-C10

1000

Diesel Range Organics (Over

C10-C28)

LCS LCS

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 93 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: LCSD 880-74001/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 74025

| • | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 965.5 | | mg/Kg | | 97 | 70 - 130 | 6 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 793.2 | | mg/Kg | | 79 | 70 - 130 | 6 | 20 |

C10-C28)

| | LOOD | LOOD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 94 | | 70 - 130 |
| o-Terphenyl | 96 | | 70 - 130 |

LCSD LCSD

Lab Sample ID: 890-6251-A-7-F MS Client Sample ID: Matrix Spike

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| Matrix: Solid | | | | Prep Type: Total/NA |
|-----------------------|---------------|-------|-------|---------------------|
| Analysis Batch: 74025 | | | | Prep Batch: 74001 |
| | Sample Sample | Spike | MS MS | %Rec |

Limits Result Qualifier Added Result Qualifier %Rec Analyte Unit <49.7 U F1 F2 998 <49.9 U F1 Gasoline Range Organics 2 70 - 130mg/Kg (GRO)-C6-C10 998 <49.9 UF1 Diesel Range Organics (Over <49.7 UF1 mg/Kg -0.3 70 - 130

C10-C28)

| | IVIS | IVIS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 2 | S1- | 70 - 130 |
| o-Terphenyl | 0.4 | S1- | 70 - 130 |

Job ID: 890-6233-1 Client: Ensolum Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

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

Lab Sample ID: 890-6251-A-7-G MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 74025 Prep Type: Total/NA Prep Batch: 74001

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Sample Sample MSD MSD RPD Spike Limit Analyte Result Qualifier Added Result Qualifier %Rec Limits RPD Unit D Gasoline Range Organics <49.7 U F1 F2 998 57.10 F1 F2 mg/Kg 3 70 - 130 32 20 (GRO)-C6-C10 998 <49.9 UF1 70 - 130Diesel Range Organics (Over <49.7 U F1 mg/Kg -0.4 3 20

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane S1-70 - 130 3 o-Terphenyl 0.3 S1-70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73848/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 73932

MB MB

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 02/25/24 14:57

Lab Sample ID: LCS 880-73848/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 73932

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 90 - 110 232 2 mg/Kg

Lab Sample ID: LCSD 880-73848/3-A

Matrix: Solid

Analysis Batch: 73932

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec RPD Limit Chloride 250 234.1 94 90 - 110 mg/Kg

Lab Sample ID: 890-6232-A-23-B MS

Matrix: Solid

Analysis Batch: 73932

Sample Sample Spike MS MS %Rec Qualifier Added Qualifier Analyte Result Result %Rec Limits Unit Chloride 252 91 90 - 110 170 398.8 mg/Kg

Lab Sample ID: 890-6232-A-23-C MSD

Matrix: Solid

Analysis Batch: 73932

Sample Sample Spike MSD MSD %Rec RPD Qualifier Added Result Result Qualifier %Rec Limits RPD Limit Analyte Unit D Chloride 252 400.8 170 91 90 - 110 20 mg/Kg 0

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SS 03

Client Sample ID: SS 03

Prep Type: Soluble

Prep Type: Soluble

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-73849/1-A

Matrix: Solid

Analysis Batch: 73933

MB MB

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 02/25/24 17:39
 1

Lab Sample ID: LCS 880-73849/2-A

Matrix: Solid

Analysis Batch: 73933

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 234.8 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-73849/3-A

Matrix: Solid

Analysis Batch: 73933

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 236.9 mg/Kg 90 - 110

Lab Sample ID: 890-6233-3 MS

Matrix: Solid

Analysis Batch: 73933

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Result Qualifier Limits Chloride 6520 2480 8969 90 - 110 mg/Kg

Lab Sample ID: 890-6233-3 MSD

Matrix: Solid

Analysis Batch: 73933

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 2480 6520 8982 mg/Kg 100 90 - 110 0 20

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QC Association Summary

Client: Ensolum

Project/Site: GOLDENCHILD BATTERY

Job ID: 890-6233-1 SDG: 03C1558317

GC VOA

Prep Batch: 74021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-74021/5-A | Method Blank | Total/NA | Solid | 5035 | |

Prep Batch: 74049

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-6233-1 | SS 01 | Total/NA | Solid | 5035 | |
| 890-6233-2 | SS 02 | Total/NA | Solid | 5035 | |
| 890-6233-3 | SS 03 | Total/NA | Solid | 5035 | |
| 890-6233-4 | SS 04 | Total/NA | Solid | 5035 | |
| MB 880-74049/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-74049/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-74049/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-6233-1 MS | SS 01 | Total/NA | Solid | 5035 | |
| 890-6233-1 MSD | SS 01 | Total/NA | Solid | 5035 | |

Analysis Batch: 74123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-6233-1 | SS 01 | Total/NA | Solid | 8021B | 74049 |
| 890-6233-2 | SS 02 | Total/NA | Solid | 8021B | 74049 |
| 890-6233-3 | SS 03 | Total/NA | Solid | 8021B | 74049 |
| 890-6233-4 | SS 04 | Total/NA | Solid | 8021B | 74049 |
| MB 880-74021/5-A | Method Blank | Total/NA | Solid | 8021B | 74021 |
| MB 880-74049/5-A | Method Blank | Total/NA | Solid | 8021B | 74049 |
| LCS 880-74049/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 74049 |
| LCSD 880-74049/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 74049 |
| 890-6233-1 MS | SS 01 | Total/NA | Solid | 8021B | 74049 |
| 890-6233-1 MSD | SS 01 | Total/NA | Solid | 8021B | 74049 |

Analysis Batch: 74281

| Lab Sample ID 890-6233-1 | Client Sample ID SS 01 | Prep Type Total/NA | Matrix Solid | Method Total BTEX | Prep Batch |
|------------------------------------|------------------------|---------------------|--------------|-------------------|------------|
| 890-6233-2 | SS 02 | Total/NA | Solid | Total BTEX | |
| 890-6233-3 | SS 03 | Total/NA | Solid | Total BTEX | |
| 890-6233-4 | SS 04 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 74001

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-6233-1 | SS 01 | Total/NA | Solid | 8015NM Prep | |
| 890-6233-2 | SS 02 | Total/NA | Solid | 8015NM Prep | |
| 890-6233-3 | SS 03 | Total/NA | Solid | 8015NM Prep | |
| 890-6233-4 | SS 04 | Total/NA | Solid | 8015NM Prep | |
| MB 880-74001/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-74001/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-74001/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-6251-A-7-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-6251-A-7-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 74025

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-6233-1 | SS 01 | Total/NA | Solid | 8015B NM | 74001 |

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QC Association Summary

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

GC Semi VOA (Continued)

Analysis Batch: 74025 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-6233-2 | SS 02 | Total/NA | Solid | 8015B NM | 74001 |
| 890-6233-3 | SS 03 | Total/NA | Solid | 8015B NM | 74001 |
| 890-6233-4 | SS 04 | Total/NA | Solid | 8015B NM | 74001 |
| MB 880-74001/1-A | Method Blank | Total/NA | Solid | 8015B NM | 74001 |
| LCS 880-74001/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 74001 |
| LCSD 880-74001/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 74001 |
| 890-6251-A-7-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 74001 |
| 890-6251-A-7-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 74001 |

Analysis Batch: 74183

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-6233-1 | SS 01 | Total/NA | Solid | 8015 NM | |
| 890-6233-2 | SS 02 | Total/NA | Solid | 8015 NM | |
| 890-6233-3 | SS 03 | Total/NA | Solid | 8015 NM | |
| 890-6233-4 | SS 04 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 73848

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-6233-1 | SS 01 | Soluble | Solid | DI Leach | |
| 890-6233-2 | SS 02 | Soluble | Solid | DI Leach | |
| MB 880-73848/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-73848/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-73848/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-6232-A-23-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-6232-A-23-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Leach Batch: 73849

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-6233-3 | SS 03 | Soluble | Solid | DI Leach | |
| 890-6233-4 | SS 04 | Soluble | Solid | DI Leach | |
| MB 880-73849/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-73849/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-73849/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-6233-3 MS | SS 03 | Soluble | Solid | DI Leach | |
| 890-6233-3 MSD | SS 03 | Soluble | Solid | DI Leach | |

Analysis Batch: 73932

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-6233-1 | SS 01 | Soluble | Solid | 300.0 | 73848 |
| 890-6233-2 | SS 02 | Soluble | Solid | 300.0 | 73848 |
| MB 880-73848/1-A | Method Blank | Soluble | Solid | 300.0 | 73848 |
| LCS 880-73848/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 73848 |
| LCSD 880-73848/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 73848 |
| 890-6232-A-23-B MS | Matrix Spike | Soluble | Solid | 300.0 | 73848 |
| 890-6232-A-23-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 73848 |

Analysis Batch: 73933

| I ah Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prop Batch |
|----------------|-------------------|-----------|-----------|---------|------------|
| Lab Sample ID | Ciletit Sample ID | rieh iyhe | IVIALI IX | Metriou | Prep Batch |
| 890-6233-3 | SS 03 | Soluble | Solid | 300.0 | 73849 |

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QC Association Summary

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

HPLC/IC (Continued)

Analysis Batch: 73933 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-6233-4 | SS 04 | Soluble | Solid | 300.0 | 73849 |
| MB 880-73849/1-A | Method Blank | Soluble | Solid | 300.0 | 73849 |
| LCS 880-73849/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 73849 |
| LCSD 880-73849/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 73849 |
| 890-6233-3 MS | SS 03 | Soluble | Solid | 300.0 | 73849 |
| 890-6233-3 MSD | SS 03 | Soluble | Solid | 300.0 | 73849 |

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Project/Site: GOLDENCHILD BATTERY

Client Sample ID: SS 01

Client: Ensolum

Date Collected: 02/20/24 09:05 Date Received: 02/21/24 11:50

Lab Sample ID: 890-6233-1

Matrix: Solid

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 74049 | 02/26/24 13:52 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 74123 | 02/28/24 02:22 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 74281 | 02/28/24 02:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 74183 | 02/27/24 00:23 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.07 g | 10 mL | 74001 | 02/26/24 09:46 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 74025 | 02/27/24 00:23 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 73848 | 02/22/24 12:27 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 20 | | | 73932 | 02/25/24 17:11 | CH | EET MID |

Lab Sample ID: 890-6233-2

Date Collected: 02/20/24 09:10

Date Received: 02/21/24 11:50

Client Sample ID: SS 02

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 4.98 g | 5 mL | 74049 | 02/26/24 13:52 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 74123 | 02/28/24 02:42 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 74281 | 02/28/24 02:42 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 74183 | 02/27/24 00:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 74001 | 02/26/24 09:46 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 74025 | 02/27/24 00:48 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 73848 | 02/22/24 12:27 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 20 | | | 73932 | 02/25/24 17:16 | CH | EET MID |

Client Sample ID: SS 03 Lab Sample ID: 890-6233-3 **Matrix: Solid**

Date Collected: 02/20/24 09:15 Date Received: 02/21/24 11:50

Batch Dil Final Batch Initial Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep Total/NA 5035 4.96 g 5 mL 74049 02/26/24 13:52 MNR EET MID Total/NA Analysis 8021B 5 mL 5 mL 74123 02/28/24 03:03 SM **EET MID** Total/NA Analysis Total BTEX 74281 02/28/24 03:03 SM EET MID 1 Total/NA Analysis 8015 NM 74183 02/27/24 01:12 SM **EET MID** Total/NA 10 mL 74001 Prep 8015NM Prep 9.97 g 02/26/24 09:46 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 74025 02/27/24 01:12 SM EET MID 1 Soluble Leach DI Leach 5.05 g 50 mL 73849 02/22/24 12:30 SMC EET MID Soluble Analysis 300.0 10 73933 02/25/24 17:53 СН **EET MID**

Lab Sample ID: 890-6233-4 Client Sample ID: SS 04

Date Collected: 02/20/24 09:20 Date Received: 02/21/24 11:50

| | 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 | 74049 | 02/26/24 13:52 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 74123 | 02/28/24 03:23 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 74281 | 02/28/24 03:23 | SM | EET MID |

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Matrix: Solid

Lab Chronicle

Client: Ensolum Job ID: 890-6233-1 Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Client Sample ID: SS 04 Lab Sample ID: 890-6233-4

Matrix: Solid

Date Collected: 02/20/24 09:20 Date Received: 02/21/24 11:50

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | | 74183 | 02/27/24 01:36 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.92 g | 10 mL | 74001 | 02/26/24 09:46 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 74025 | 02/27/24 01:36 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 73849 | 02/22/24 12:30 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 10 | | | 73933 | 02/25/24 18:07 | CH | EET MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-6233-1
Project/Site: GOLDENCHILD BATTERY SDG: 03C1558317

Laboratory: Eurofins Midland

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

| Authority | Progr | am | Identification Number | Expiration Date |
|-----------------|----------------------------------|---------------------------------|---|------------------------|
| Texas | NELA | Р | T104704400-23-26 | 06-30-24 |
| , | are included in this report, but | ut the laboratory is not certif | fied by the governing authority. This lis | t may include analytes |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 8015 NM | | Solid | Total TPH | |
| Total BTEX | | Solid | Total BTEX | |

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Method Summary

Client: Ensolum

Job ID: 890-6233-1 Project/Site: GOLDENCHILD BATTERY

SDG: 03C1558317

| 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: GOLDENCHILD BATTERY

Job ID: 890-6233-1

SDG: 03C1558317

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-6233-1 | SS 01 | Solid | 02/20/24 09:05 | 02/21/24 11:50 | 0.5' |
| 890-6233-2 | SS 02 | Solid | 02/20/24 09:10 | 02/21/24 11:50 | 0.5' |
| 890-6233-3 | SS 03 | Solid | 02/20/24 09:15 | 02/21/24 11:50 | 0.5' |
| 890-6233-4 | SS 04 | Solid | 02/20/24 09:20 | 02/21/24 11:50 | 0.5' |

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-6233-1 SDG Number: 03C1558317

Login Number: 6233 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

| 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 | |

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-6233-1

SDG Number: 03C1558317

Login Number: 6233 **List Source: Eurofins Midland** List Number: 2

List Creation: 02/22/24 11:22 AM

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 | |

<6mm (1/4").

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

QUESTIONS

Action 357545

QUESTIONS

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |
| | Action Type: |
| | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| Prerequisites | |
|------------------|--|
| Incident ID (n#) | nAPP2400933895 |
| Incident Name | NAPP2400933895 GOLDENCHILD BATTERY @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Deferral Request Received |

| Location of Release Source | | |
|--|---------------------|--|
| Please answer all the questions in this group. | | |
| Site Name | Goldenchild Battery | |
| Date Release Discovered 12/27/2023 | | |
| Surface Owner | State | |

| incident Details | | |
|--|------------------------|--|
| Please answer all the questions in this group. | | |
| Incident Type | Produced Water Release | |
| Did this release result in a fire or is the result of a fire | No | |
| Did this release result in any injuries | No | |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No | |
| Has this release endangered or does it have a reasonable probability of endangering public health | No | |
| Has this release substantially damaged or will it substantially damage property or the environment | No | |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No | |

| Nature and Volume of Release | | | | |
|--|---|--|--|--|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | | | | |
| Crude Oil Released (bbls) Details | Not answered. | | | |
| Produced Water Released (bbls) Details | Cause: Corrosion Other (Specify) Produced Water Released: 18 BBL Recovered: 7 BBL Lost: 11 BBL. | | | |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes | | | |
| Condensate Released (bbls) Details | Not answered. | | | |
| Natural Gas Vented (Mcf) Details | Not answered. | | | |
| Natural Gas Flared (Mcf) Details | Not answered. | | | |
| Other Released Details | Not answered. | | | |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | A pinhole developed on a 6-inch Victaulic tee on the inlet line of the skim tankCorrosion | | | |

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

QUESTIONS, Page 2

Action 357545

| Operator: | OGRID: |
|------------------------|----------------|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |

QUESTIONS (continued)

Action Type [C-141] Deferral Request C-141 (C-141-v-Deferral) QUESTIONS Nature and Volume of Release (continued) Is this a gas only submission (i.e. only significant Mcf values reported) No, according to supplied volumes this does not appear to be a "gas only" report. Was this a major release as defined by Subsection A of 19.15.29.7 NMAC No Reasons why this would be considered a submission for a notification of a major Unavailable release With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. Initial Response The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. The source of the release has been stopped True The impacted area has been secured to protect human health and the True environment Released materials have been contained via the use of berms or dikes, absorbent True pads, or other containment devices All free liquids and recoverable materials have been removed and managed True appropriately If all the actions described above have not been undertaken, explain why Not answered. Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission 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. Name: Alan Romero

Title: Regulatory Analyst I hereby agree and sign off to the above statement Email: alan.romero1@exxonmobil.com

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

QUESTIONS, Page 3

Action 357545

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |
| | Action Type: |
| | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| Site Characterization | | |
|---|--------------------------------|--|
| Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 26 and 50 (ft.) | |
| What method was used to determine the depth to ground water | OCD Imaging Records Lookup | |
| Did this release impact groundwater or surface water | No | |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | | |
| A continuously flowing watercourse or any other significant watercourse | Between 1000 (ft.) and ½ (mi.) | |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) | |
| An occupied permanent residence, school, hospital, institution, or church | Between 1 and 5 (mi.) | |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) | |
| Any other fresh water well or spring | Between 1 and 5 (mi.) | |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Between 1 and 5 (mi.) | |
| A wetland | Between 1000 (ft.) and ½ (mi.) | |
| A subsurface mine | Greater than 5 (mi.) | |
| An (non-karst) unstable area | Between 1000 (ft.) and ½ (mi.) | |
| Categorize the risk of this well / site being in a karst geology | Medium | |
| A 100-year floodplain | Between 1000 (ft.) and ½ (mi.) | |
| Did the release impact areas not on an exploration, development, production, or storage site | No | |

| Remediation Plan | |
|--|--|
| Please answer all the questions that apply or are indicated. This information must be provide | ded to the appropriate district office no later than 90 days after the release discovery date. |
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contam | ination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| Soil Contamination Sampling: (Provide the highest observable value for each, | in milligrams per kilograms.) |
| Chloride (EPA 300.0 or SM4500 CI B) | 336 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 39.8 |
| GRO+DRO (EPA SW-846 Method 8015M) | 39.8 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes com which includes the anticipated timelines for beginning and completing the remediation. | mpleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, |
| On what estimated date will the remediation commence | 04/25/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 05/14/2024 |
| On what date will (or was) the remediation complete(d) | 06/06/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed | 1615 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 230 |
| What is the estimated surface area (in square feet) that will be remediated | 1215 |
| What is the estimated volume (in cubic yards) that will be remediated | 180 |
| These estimated dates and measurements are recognized to be the best guess or calculation | n at the time of submission and may (be) change(d) over time as more remediation efforts are completed. |
| The OCD recognizes that proposed remediation measures may have to be minimally adjuste | ted in accordance with the physical realities encountered during remediation. If the responsible party has any need to |

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 357545

QUESTIONS (continued)

| Oper | rator: | OGRID: |
|------|------------------------|---|
| | XTO ENERGY, INC | 5380 |
| | 6401 Holiday Hill Road | Action Number: |
| | Midland, TX 79707 | 357545 |
| | | Action Type: |
| | | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| Remediation Plan (continued) | | |
|---|--|--|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | | |
| (Select all answers below that apply.) | | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes | |
| Which OCD approved facility will be used for off-site disposal | HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] | |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. | |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. | |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. | |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. | |
| (In Situ) Soil Vapor Extraction | Not answered. | |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. | |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. | |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. | |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. | |
| OTHER (Non-listed remedial process) | Not answered. | |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Alan Romero Title: Regulatory Analyst

Email: alan.romero1@exxonmobil.com

Date: 06/25/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 357545

| Operator: | OGRID: |
|--|--|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |
| | Action Type: |
| | [C-141] Deferral Request C-141 (C-141-v-Deferral) |
| QUESTIONS | |
| Deferral Requests Only | |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each | of the following items must be confirmed as part of any request for deferral of remediation. |
| Requesting a deferral of the remediation closure due date with the approval of this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction | Yes |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction | Surface Production Piping, electrical panels, electrical rails, LACT unit, production meter |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted | 400 |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted | 50 |
| | diately under or around production equipment such as production tanks, wellheads and pipelines where on may be deferred with division written approval until the equipment is removed during other operations, or when |
| Enter the facility ID (f#) on which this deferral should be granted | Goldenchild CTB [fAPP2126046644] |
| Enter the well API (30-) on which this deferral should be granted | Not answered. |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater | True |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation. | efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC |
| to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to | knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface ort does not relieve the operator of responsibility for compliance with any other federal, state, or |
| I hereby agree and sign off to the above statement | Name: Alan Romero Title: Regulatory Analyst |

Email: alan.romero1@exxonmobil.com

Date: 06/25/2024

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

QUESTIONS, Page 6

Action 357545

| QUESTIONS | (continued) |
|------------|-------------------|
| QUESTIONS: | COHUHUCU <i>1</i> |

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |
| l l | Action Type: |
| l l | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 356227 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/24/2024 |
| What was the (estimated) number of samples that were to be gathered | 2 |
| What was the sampling surface area in square feet | 400 |

| Rei | Remediation Closure Request | | |
|-----|--|----|--|
| Onl | Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | | |
| F | Requesting a remediation closure approval with this submission | No | |

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CONDITIONS

Action 357545

CONDITIONS

| Operator: | OGRID: |
|------------------------|---|
| XTO ENERGY, INC | 5380 |
| 6401 Holiday Hill Road | Action Number: |
| Midland, TX 79707 | 357545 |
| | Action Type: |
| | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

CONDITIONS

| Created | By Condition | Condition Date |
|---------|--|-------------------|
| scwe | Deferral approved. Deferral of area demarcated by SW06, SW01 and SS07 shown on Figure 4 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. | 7/10/2024 |