

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

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

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

| | |
|----------------|---------------|
| Incident ID | NRM1935235986 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|---|--|
| Responsible Party XTO Energy | OGRID 5380 |
| Contact Name Kyle Littrell | Contact Telephone 432-221-7331 |
| Contact email Kyle_Littrell@xtoenergy.com | Incident # (assigned by OCD) NRM1935235986 |
| Contact mailing address 522 W. Mermod, Carlsbad, NM 88220 | |

Location of Release Source

Latitude 32.095717 Longitude -103.863959
 (NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|---|
| Site Name PLU 421 Battery | Site Type Battery |
| Date Release Discovered 10/15/2019 | API# (if applicable) 30-015-41033 (PLU 421) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| P | 27 | 25S | 30E | EDDY |

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

| Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 0.08 | Volume Recovered (bbls) 0 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) 0 | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: A separator upset sent oil out of the flare stack starting a small fire underneath the flare that burned itself out. Remediation of de minimis staining around the flare was completed by hand digging and disposal at an approved facility.

Form C-141

State of New Mexico
Oil Conservation Division

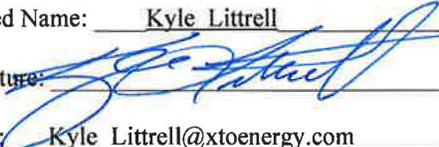
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|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? An unauthorized release of volume that results in a fire or is the result of a fire. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES, by Amy Ruth : to Mike Bratcher; Rob Hamlet; Victoria Venegas; 'Griswold, Jim, EMNRD'; and blm_nm_cfo_spill@blm.gov on 10/15/2019 at 9:14 AM by email. | |

Initial Response

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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> been undertaken, explain why: There were no fluids released to be contained via the use of berms or dikes, absorbent pads, or other containment devices. There were no fluids released to be removed and managed. |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |
| Printed Name: <u>Kyle Littrell</u> Title: <u>SH&E Supervisor</u> Signature:  Date: <u>10/28/2019</u> email: <u>Kyle_Littrell@xtoenergy.com</u> Telephone: _____ |
| OCD Only Received by: _____ Date: _____ |

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Site Assessment/Characterization

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

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

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

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

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

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

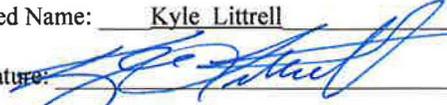
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Oil Conservation Division

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature:  Date: 05/06/20

email: Kyle_Littrell@xtoenergy.com Telephone: _____

OCD Only

Received by:  Date: 05/06/2020

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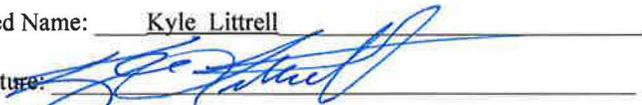
Closure

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

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

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

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

Printed Name: Kyle Littrell Title: SH&E Supervisor
 Signature:  Date: 05/06/20
 email: Kyle_Littrell@xtoenergy.com Telephone: _____

OCD Only

Received by: Cristina Eads Date: 05/06/2020

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

Closure Approved by:  Date: 07/07/2020
 Printed Name: Cristina Eads Title: Environmental Specialist



LT Environmental, Inc.

3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

May 6, 2020

Mr. Mike Bratcher
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

**RE: Closure Request
PLU 421 Battery
Incident Number NRM1935235986
Eddy County, New Mexico**

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and remediation activities at the Poker Lake Unit 421 Battery (Site) in Unit P, Section 27, Township 25 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to confirm the presence or absence of impacts to soil from a release of crude oil at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM1935235986.

RELEASE BACKGROUND

On October 15, 2019, a separator upset sent soil out of the flare stack, resulting in the release of 0.08 barrels (bbls) of crude oil underneath the flare stack. No fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on October 15, 2019. Subsequently XTO submitted a Form C-141 to NMOCD on October 28, 2019.

SITE CHARACTERIZATION

LTE characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03782 POD 1, located approximately 1.66 miles west of the Site. The groundwater well was most recently measured in January 2015 and had a reported depth to groundwater of 227 feet bgs and a total depth of 805 feet bgs. Within a 1.90-mile radius, there are four wells that indicate that regional depth to groundwater is greater than 160 feet bgs. Located 2.3 miles northeast of



Site, NMOSE well C-03781 has a reported depth to groundwater of 325 feet bgs. South-southwest of Site, three USGS wells; 320405103524001, 320404103523101, and 320355103524001 have reported depth to groundwater ranging between 164 feet to 186 feet bgs. Based on the groundwater data from nearby wells, a regional trend suggests groundwater at the Site is greater than 100 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1.

The closest continuously flowing water or significant watercourse to the Site is an intermittent stream, located approximately 2,218 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On March 31, 2020, LTE personnel visited the Site to evaluate the release extent. LTE personnel collected and field screened two preliminary soil assessment samples at two locations (SS01 and SS02) within the release extent. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) as presented on Figure 2.

The two soil samples were collected at a depth of 0.5 feet below grade surface (bgs). Preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. All 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 at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States



Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

According to laboratory analytical results, TPH-GRO, TPH-DRO, and TPH were reported at concentrations exceeding the Closure Criteria in the preliminary assessment soil samples SS01 and SS02, both located in the western area of the well pad. Based on visible staining in the release area, field screening results, and laboratory analytical results, soil delineation and excavation appeared to be warranted for the release area.

EXCAVATION AND DELINEATION SOIL SAMPLING ACTIVITIES

Delineation was conducted on April 9, 2020, to assist in confirming the presence or absence of impacted soil within the footprint of the release. Two boreholes (BH01 and BH02) were advanced to a depth of two feet bgs in the locations of SS01 and SS02, respectively and two discrete soil samples were collected from each borehole utilizing hand auger equipment. Delineation soil samples were collected at one foot and two feet bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for each pothole were logged on lithologic/soil sampling logs, which are included in Attachment 2. The locations of delineation boreholes (BH01 through BH02) are presented on Figure 2. The discrete delineation soil samples were collected, handled, and analyzed as described above at Xenco in Carlsbad, New Mexico. Laboratory analytical results indicated TPH-GRO, TPH-DRO, and TPH were above Closure Criteria in BH02, collected at 1 foot bgs. Laboratory analytical results indicated benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in BH01/BH01A and BH02A.

On April 29, 2020, LTE oversaw excavation activities to remediate impacted soil as indicated by visual observations, field screening results, and preliminary soil sample results. Excavation activities were performed using track-mounted backhoe and transport vehicle in the above referenced impacted areas near SS01, SS02, and BH02 at 1 foot bgs. The excavations were located on the western area of the well pad. Photographic documentation was conducted during the visit to the Site and is included in Attachment 1.

Following removal of impacted soil, LTE collected 5-point composite soil samples at least every 200 square feet from the sidewalls and floor of the excavations. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. A total of two composite soil samples (FS01 and FS02) were collected from the excavations. The samples were collected at depths of approximately 0.5 feet and 1.5 feet bgs and included representative soil from the floor and sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed as described above. The locations of final excavation confirmation samples are presented on Figure 3.



Bratcher, M.
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The excavation extents totaled approximately 190 square feet. A total of approximately 7 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

ANALYTICAL RESULTS

Laboratory analytical results indicated benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria at the completion of the excavation activities in all composite floor soil samples. In addition, analytical results for 3 soil samples from the two boreholes (BH01A and BH02/BH02A) indicate benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with Closure Criteria. The laboratory analytical results are summarized in Table 1 and the laboratory data reports are provided in Attachment 3.

CONCLUSIONS

Preliminary soil samples SS01 and SS02 and delineation borehole samples BH01/BH01A through BH02/BH02A were collected from within the release extent from depths ranging from 0.5 foot to two feet bgs to assess for the presence or absence of soil impacts as a result of the crude oil release on October 15, 2019. Field screening of soil indicated volatile aromatic hydrocarbons and chloride concentrations were not elevated and soil staining and petroleum hydrocarbon odors were not identified within the release extent. XTO removed surficial soil in the remaining portion of the release extent stained by the fire.

Laboratory analytical results for the delineation and confirmation soil samples collected from within the final excavation extent indicate benzene, BTEX, TPH-GRO and TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. As such, XTO respectfully requests NFA for Incident Number NRM1935235986.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink that reads 'Elizabeth A. Naka'.

Elizabeth A. Naka
Staff Environmental Scientist

A handwritten signature in black ink that reads 'Ashley L. Ager'.

Ashley L. Ager, P.G.
Senior Geologist



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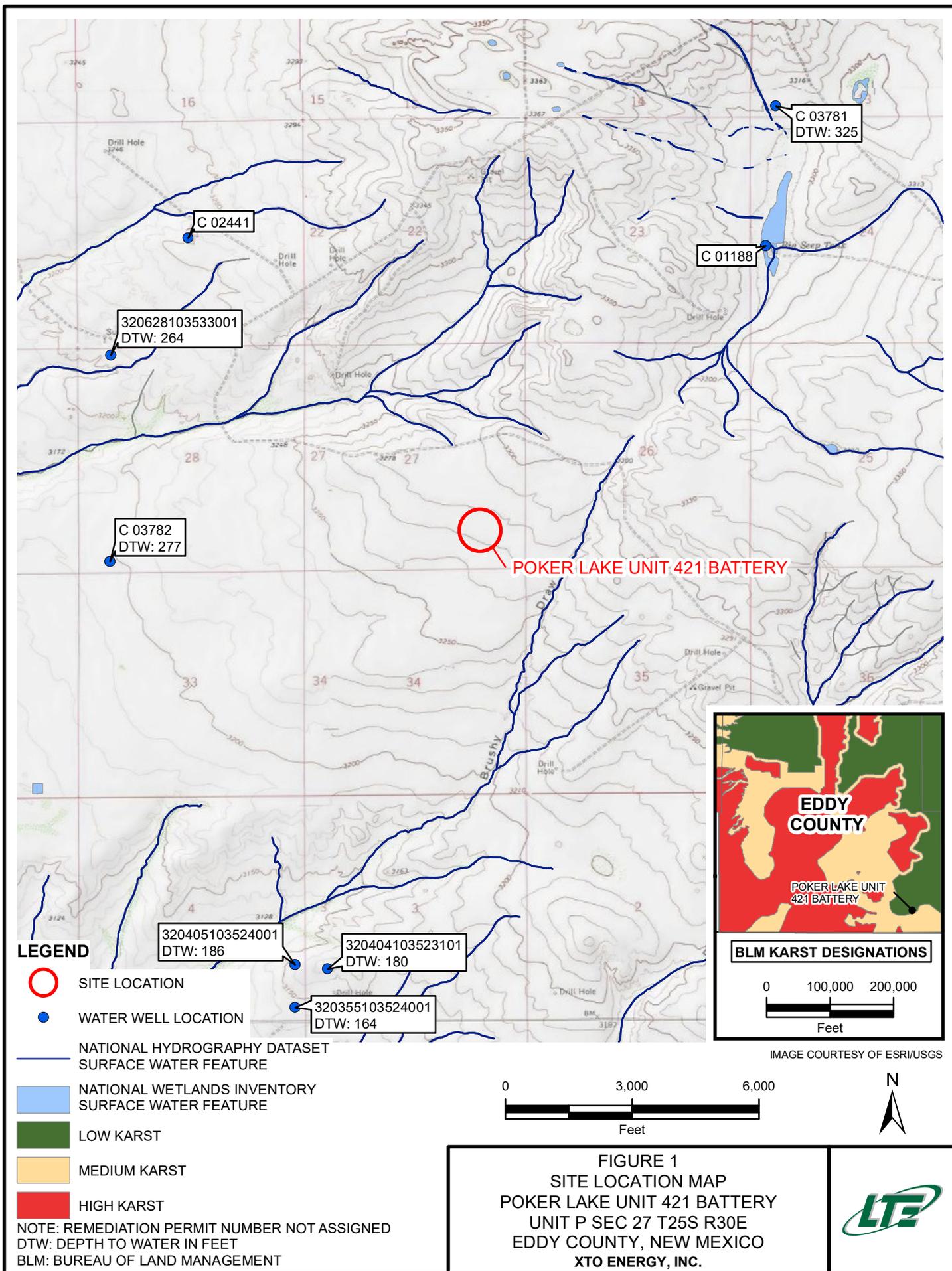
cc: Kyle Littrell, XTO
Jim Amos, United States Bureau of Land Management (BLM)
Robert Hamlet, NMOCD
Victoria Venegas, NMOCD

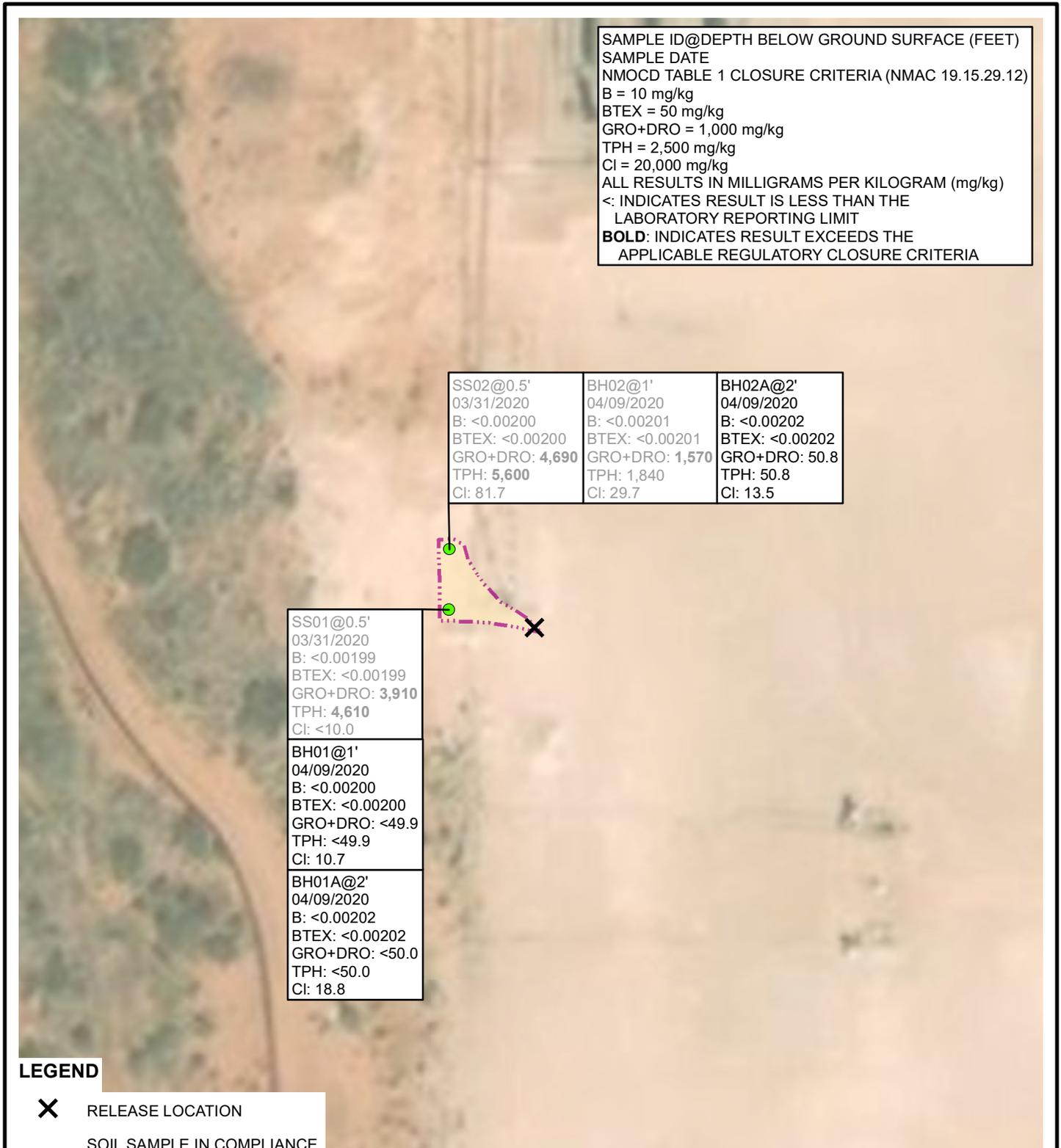
Appendices:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1 Soil Analytical Results
- Attachment 1 Photographic Log
- Attachment 2 Laboratory Analytical Results
- Attachment 3 Lithologic/Soil Sampling Logs

FIGURES







SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)
 SAMPLE DATE
 NMOCD TABLE 1 CLOSURE CRITERIA (NMAC 19.15.29.12)
 B = 10 mg/kg
 BTEX = 50 mg/kg
 GRO+DRO = 1,000 mg/kg
 TPH = 2,500 mg/kg
 Cl = 20,000 mg/kg
 ALL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)
 <: INDICATES RESULT IS LESS THAN THE LABORATORY REPORTING LIMIT
BOLD: INDICATES RESULT EXCEEDS THE APPLICABLE REGULATORY CLOSURE CRITERIA

| | | |
|--|---|---|
| SS02@0.5' 03/31/2020 B: <0.00200 BTEX: <0.00200 GRO+DRO: 4,690 TPH: 5,600 Cl: 81.7 | BH02@1' 04/09/2020 B: <0.00201 BTEX: <0.00201 GRO+DRO: 1,570 TPH: 1,840 Cl: 29.7 | BH02A@2' 04/09/2020 B: <0.00202 BTEX: <0.00202 GRO+DRO: 50.8 TPH: 50.8 Cl: 13.5 |
|--|---|---|

| |
|---|
| SS01@0.5' 03/31/2020 B: <0.00199 BTEX: <0.00199 GRO+DRO: 3,910 TPH: 4,610 Cl: <10.0 |
|---|

| |
|--|
| BH01@1' 04/09/2020 B: <0.00200 BTEX: <0.00200 GRO+DRO: <49.9 TPH: <49.9 Cl: 10.7 |
|--|

| |
|---|
| BH01A@2' 04/09/2020 B: <0.00202 BTEX: <0.00202 GRO+DRO: <50.0 TPH: <50.0 Cl: 18.8 |
|---|

LEGEND

- X** RELEASE LOCATION
- SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT

B: BENZENE
 BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
 GRO: GASOLINE RANGE ORGANICS
 DRO: DIESEL RANGE ORGANICS
 TPH: TOTAL PETROLEUM HYDROCARBONS
 Cl: CHLORIDE
 NMAC: NEW MEXICO ADMINISTRATIVE CODE
 NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
 NOTE: INCIDENT NUMBER NRM1935235986

IMAGE COURTESY OF ESRI

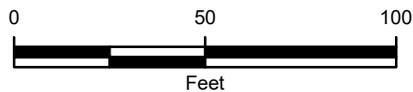
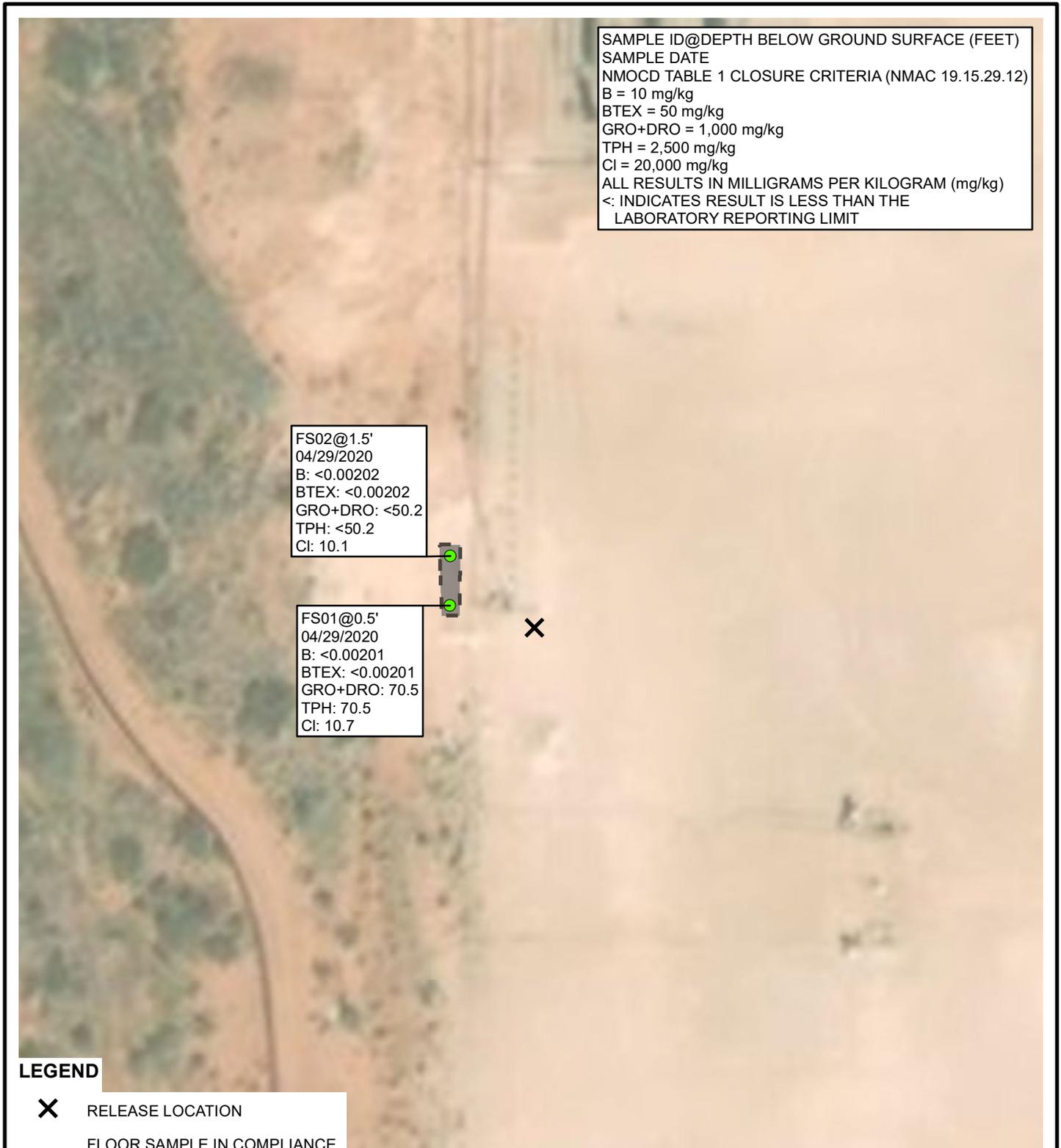


FIGURE 2
 SOIL SAMPLE LOCATIONS
 POKER LAKE UNIT 421 BATTERY
 UNIT P SEC 27 T25S R30E
 EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.





LEGEND

- X** RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- █** EXCAVATION EXTENT

B: BENZENE
 BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
 GRO: GASOLINE RANGE ORGANICS
 DRO: DIESEL RANGE ORGANICS
 TPH: TOTAL PETROLEUM HYDROCARBONS
 Cl: CHLORIDE
 NMAC: NEW MEXICO ADMINISTRATIVE CODE
 NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
 NOTE: INCIDENT NUMBER NRM1935235986

IMAGE COURTESY OF ESRI

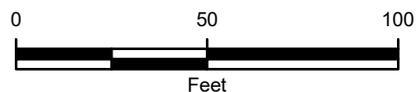


FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
 POKER LAKE UNIT 421 BATTERY
 UNIT P SEC 27 T25S R30E
 EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.



TABLES



**TABLE 1
SOIL ANALYTICAL RESULTS**

**PLU 421 BATTERY
INCIDENT ID NRM1935235986
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.**

| Sample Name | Sample Depth (feet bgs) | Sample Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | GRO (mg/kg) | DRO (mg/kg) | ORO (mg/kg) | Total GRO+DRO (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|---------------------------------------|-------------------------|-------------|-----------------|-----------------|----------------------|-----------------------|--------------------|-------------|-------------|-------------|-----------------------|--------------|------------------|
| NMOCD Table 1 Closure Criteria | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| SS01 | 0.5 | 3/31/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.0 | 3,910 | 700 | 3,910 | 4,610 | <10.0 |
| SS02 | 0.5 | 3/31/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | 4,690 | 914 | 4,690 | 5,600 | 81.7 |
| BH01 | 1 | 04/09/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 10.7 |
| BH01A | 2 | 04/09/2020 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 18.8 |
| BH02 | 1 | 04/09/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <49.8 | 1,570 | 265 | 1,570 | 1,840 | 29.7 |
| BH02A | 2 | 04/09/2020 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <50.2 | 50.8 | <50.2 | 50.8 | 50.8 | 13.5 |
| FS01 | 0.5 | 04/29/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <50.0 | 70.5 | <50.0 | 70.5 | 70.5 | 10.7 |
| FS02 | 1.5 | 04/29/2020 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 10.1 |

Notes:

bgs - below ground surface
 BTEX - benzene, toluene, ethylbenzene, and total xylenes
 DRO - diesel range organics
 GRO - gasoline range organics
 mg/kg - milligrams per kilogram

MRO - motor oil range organics
 NMAC - New Mexico Administrative Code
 NMOCD - New Mexico Oil Conservation Division
 NE - not established
 TPH - total petroleum hydrocarbons

Bold - indicates result exceeds the applicable regulatory standard
 < - indicates result is below laboratory reporting limits
 Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018
 Text indicates removal of impacted soil

ATTACHMENT 1: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG



Photograph 1: View of flare facing north.



Photograph 2: View of final excavation facing north.



Photograph 3: View of final excavation facing northeast.

ATTACHMENT 2: LITHOLOGIC / SOIL SAMPLING LOG



| | | |
|--|---------------------------|-------------------|
|  <p>LT Environmental, Inc. 508 West Stevens Street Carlsbad, New Mexico 88220</p> <p>A proud member of WSP</p> <p>Compliance · Engineering · Remediation</p> | BH or PH Name: BH02 | Date: 4/9/2020 |
| | Site Name: PLU421 Battery | |
| | RP or Incident Number: | |
| | LTE Job Number: 012920046 | |

| | | | |
|---------------------------------------|-----------------------------------|-------------------|--------------------|
| LITHOLOGIC / SOIL SAMPLING LOG | | Logged By: EM | Method: Hand auger |
| Lat/Long: | Field Screening: Chloride, PID | Hole Diameter: 6" | Total Depth: 2' |

Comments:

| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
|------------------|----------------|-------------|----------|----------|-----------------------|----------------|------------------|---|
| | | | | | | 0 | SP | silty SAND, dry, reddish brown, poorly graded, fine to very fine, no stain, no odor. Total depth: 2 feet bgs |
| D | <173 | 12.8 | N | BH02 | 1 | 1 | | |
| D | <173 | 2.6 | N | BH02A | 2 | 2 | | |

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS





Analytical Report 657499

for

LT Environmental, Inc.

Project Manager: Dan Moir

PLU 421 Battery

012920046

04.07.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



04.07.2020

Project Manager: **Dan Moir**
LT Environmental, Inc.
4600 W. 60th Avenue
Arvada, CO 80003

Reference: XENCO Report No(s): **657499**
PLU 421 Battery
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657499. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657499 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Jessica Kramer'. The signature is written in a cursive, slightly slanted style.

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 657499

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| SS01 | S | 03.31.2020 12:00 | 0.5 ft | 657499-001 |
| SS02 | S | 03.31.2020 12:10 | 0.5 ft | 657499-002 |



CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: PLU 421 Battery

Project ID: 012920046
Work Order Number(s): 657499

Report Date: 04.07.2020
Date Received: 04.01.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121965 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121969 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analysis Summary 657499

LT Environmental, Inc., Arvada, CO

Project Name: PLU 421 Battery

Project Id: 012920046

Contact: Dan Moir

Project Location:

Date Received in Lab: Wed 04.01.2020 09:00

Report Date: 04.07.2020 12:21

Project Manager: Jessica Kramer

| | | | | | | | |
|------------------------------------|-----------------------------------|------------------|------------------|--|--|--|--|
| Analysis Requested | Lab Id: | 657499-001 | 657499-002 | | | | |
| | Field Id: | SS01 | SS02 | | | | |
| | Depth: | 0.5- ft | 0.5- ft | | | | |
| | Matrix: | SOIL | SOIL | | | | |
| | Sampled: | 03.31.2020 12:00 | 03.31.2020 12:10 | | | | |
| BTEX by EPA 8021B | Extracted: | 04.04.2020 16:52 | 04.04.2020 17:49 | | | | |
| | Analyzed: | 04.05.2020 19:05 | 04.05.2020 00:39 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | Benzene | <0.00199 0.00199 | <0.00200 0.00200 | | | | |
| Toluene | <0.00199 0.00199 | <0.00200 0.00200 | | | | | |
| Ethylbenzene | <0.00199 0.00199 | <0.00200 0.00200 | | | | | |
| m,p-Xylenes | <0.00398 0.00398 | <0.00400 0.00400 | | | | | |
| o-Xylene | <0.00199 0.00199 | <0.00200 0.00200 | | | | | |
| Total Xylenes | <0.00199 0.00199 | <0.00200 0.00200 | | | | | |
| Total BTEX | <0.00199 0.00199 | <0.00200 0.00200 | | | | | |
| Chloride by EPA 300 | Extracted: | 04.06.2020 10:36 | 04.06.2020 10:36 | | | | |
| | Analyzed: | 04.06.2020 23:50 | 04.06.2020 23:56 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| Chloride | <10.0 10.0 | 81.7 10.0 | | | | | |
| TPH by SW8015 Mod | Extracted: | 04.03.2020 18:00 | 04.03.2020 18:00 | | | | |
| | Analyzed: | 04.04.2020 21:46 | 04.04.2020 21:26 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | Gasoline Range Hydrocarbons (GRO) | <50.0 50.0 | <50.2 50.2 | | | | |
| | Diesel Range Organics (DRO) | 3910 50.0 | 4690 50.2 | | | | |
| Motor Oil Range Hydrocarbons (MRO) | 700 50.0 | 914 50.2 | | | | | |
| Total GRO-DRO | 3910 50.0 | 4690 50.2 | | | | | |
| Total TPH | 4610 50.0 | 5600 50.2 | | | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analytical Results 657499

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: SS01 | Matrix: Soil | Date Received: 04.01.2020 09:00 |
| Lab Sample Id: 657499-001 | Date Collected: 03.31.2020 12:00 | Sample Depth: 0.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.06.2020 10:36 | Basis: Wet Weight |
| Seq Number: 3122154 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | <10.0 | 10.0 | mg/kg | 04.06.2020 23:50 | U | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.03.2020 18:00 |
| Seq Number: 3121987 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 04.04.2020 21:46 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 3910 | 50.0 | mg/kg | 04.04.2020 21:46 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | 700 | 50.0 | mg/kg | 04.04.2020 21:46 | | 1 |
| Total GRO-DRO | PHC628 | 3910 | 50.0 | mg/kg | 04.04.2020 21:46 | | 1 |
| Total TPH | PHC635 | 4610 | 50.0 | mg/kg | 04.04.2020 21:46 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 106 | % | 70-135 | 04.04.2020 21:46 | |
| o-Terphenyl | 84-15-1 | 114 | % | 70-135 | 04.04.2020 21:46 | |



Certificate of Analytical Results 657499

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: SS01 | Matrix: Soil | Date Received: 04.01.2020 09:00 |
| Lab Sample Id: 657499-001 | Date Collected: 03.31.2020 12:00 | Sample Depth: 0.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.04.2020 16:52 | Basis: Wet Weight |
| Seq Number: 3121969 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 04.05.2020 19:05 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 04.05.2020 19:05 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 04.05.2020 19:05 | | |
| 4-Bromofluorobenzene | 460-00-4 | 89 | % | 70-130 | 04.05.2020 19:05 | | |



Certificate of Analytical Results 657499

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: SS02 | Matrix: Soil | Date Received: 04.01.2020 09:00 |
| Lab Sample Id: 657499-002 | Date Collected: 03.31.2020 12:10 | Sample Depth: 0.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.06.2020 10:36 | Basis: Wet Weight |
| Seq Number: 3122154 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 81.7 | 10.0 | mg/kg | 04.06.2020 23:56 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.03.2020 18:00 |
| Seq Number: 3121987 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.04.2020 21:26 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 4690 | 50.2 | mg/kg | 04.04.2020 21:26 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | 914 | 50.2 | mg/kg | 04.04.2020 21:26 | | 1 |
| Total GRO-DRO | PHC628 | 4690 | 50.2 | mg/kg | 04.04.2020 21:26 | | 1 |
| Total TPH | PHC635 | 5600 | 50.2 | mg/kg | 04.04.2020 21:26 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 110 | % | 70-135 | 04.04.2020 21:26 | |
| o-Terphenyl | 84-15-1 | 117 | % | 70-135 | 04.04.2020 21:26 | |



Certificate of Analytical Results 657499

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: SS02 | Matrix: Soil | Date Received: 04.01.2020 09:00 |
| Lab Sample Id: 657499-002 | Date Collected: 03.31.2020 12:10 | Sample Depth: 0.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.04.2020 17:49 | Basis: Wet Weight |
| Seq Number: 3121965 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00400 | 0.00400 | mg/kg | 04.05.2020 00:39 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 04.05.2020 00:39 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 04.05.2020 00:39 | | |
| 4-Bromofluorobenzene | 460-00-4 | 85 | % | 70-130 | 04.05.2020 00:39 | | |



LT Environmental, Inc.

PLU 421 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3122154

MB Sample Id: 7700620-1-BLK

Matrix: Solid

LCS Sample Id: 7700620-1-BKS

Prep Method: E300P

Date Prep: 04.06.2020

LCSD Sample Id: 7700620-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <10.0 | 250 | 260 | 104 | 261 | 104 | 90-110 | 0 | 20 | mg/kg | 04.07.2020 07:39 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3122154

Parent Sample Id: 657565-001

Matrix: Soil

MS Sample Id: 657565-001 S

Prep Method: E300P

Date Prep: 04.06.2020

MSD Sample Id: 657565-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 122 | 199 | 337 | 108 | 338 | 109 | 90-110 | 0 | 20 | mg/kg | 04.07.2020 07:56 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3122154

Parent Sample Id: 657719-001

Matrix: Soil

MS Sample Id: 657719-001 S

Prep Method: E300P

Date Prep: 04.06.2020

MSD Sample Id: 657719-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 102 | 200 | 320 | 109 | 320 | 109 | 90-110 | 0 | 20 | mg/kg | 04.06.2020 23:02 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3121987

MB Sample Id: 7700520-1-BLK

Matrix: Solid

LCS Sample Id: 7700520-1-BKS

Prep Method: SW8015P

Date Prep: 04.03.2020

LCSD Sample Id: 7700520-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 878 | 88 | 940 | 94 | 70-135 | 7 | 35 | mg/kg | 04.04.2020 13:20 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1040 | 104 | 1120 | 112 | 70-135 | 7 | 35 | mg/kg | 04.04.2020 13:20 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 89 | | 109 | | 116 | | 70-135 | % | 04.04.2020 13:20 |
| o-Terphenyl | 97 | | 110 | | 116 | | 70-135 | % | 04.04.2020 13:20 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3121987

MB Sample Id: 7700520-1-BLK

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.03.2020

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 04.04.2020 14:00 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



LT Environmental, Inc.

PLU 421 Battery

Analytical Method: TPH by SW8015 Mod

Seq Number: 3121987

Parent Sample Id: 657796-004

Matrix: Soil

MS Sample Id: 657796-004 S

Prep Method: SW8015P

Date Prep: 04.03.2020

MSD Sample Id: 657796-004 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.1 | 1000 | 981 | 98 | 991 | 99 | 70-135 | 1 | 35 | mg/kg | 04.04.2020 14:41 | |
| Diesel Range Organics (DRO) | <50.1 | 1000 | 1130 | 113 | 1140 | 114 | 70-135 | 1 | 35 | mg/kg | 04.04.2020 14:41 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 123 | | 124 | | 70-135 | % | 04.04.2020 14:41 |
| o-Terphenyl | 123 | | 123 | | 70-135 | % | 04.04.2020 14:41 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121969

MB Sample Id: 7700541-1-BLK

Matrix: Solid

LCS Sample Id: 7700541-1-BKS

Prep Method: SW5030B

Date Prep: 04.04.2020

LCSD Sample Id: 7700541-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.106 | 106 | 0.0955 | 96 | 70-130 | 10 | 35 | mg/kg | 04.05.2020 09:29 | |
| Toluene | <0.00200 | 0.100 | 0.0953 | 95 | 0.0860 | 86 | 70-130 | 10 | 35 | mg/kg | 04.05.2020 09:29 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0871 | 87 | 0.0785 | 79 | 71-129 | 10 | 35 | mg/kg | 04.05.2020 09:29 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.169 | 85 | 0.152 | 76 | 70-135 | 11 | 35 | mg/kg | 04.05.2020 09:29 | |
| o-Xylene | <0.00200 | 0.100 | 0.0874 | 87 | 0.0791 | 79 | 71-133 | 10 | 35 | mg/kg | 04.05.2020 09:29 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 114 | | 109 | | 108 | | 70-130 | % | 04.05.2020 09:29 |
| 4-Bromofluorobenzene | 91 | | 84 | | 87 | | 70-130 | % | 04.05.2020 09:29 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121965

MB Sample Id: 7700540-1-BLK

Matrix: Solid

LCS Sample Id: 7700540-1-BKS

Prep Method: SW5030B

Date Prep: 04.04.2020

LCSD Sample Id: 7700540-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.117 | 117 | 0.116 | 116 | 70-130 | 1 | 35 | mg/kg | 04.04.2020 22:36 | |
| Toluene | <0.00200 | 0.100 | 0.106 | 106 | 0.106 | 106 | 70-130 | 0 | 35 | mg/kg | 04.04.2020 22:36 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0986 | 99 | 0.0978 | 98 | 71-129 | 1 | 35 | mg/kg | 04.04.2020 22:36 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.191 | 96 | 0.190 | 95 | 70-135 | 1 | 35 | mg/kg | 04.04.2020 22:36 | |
| o-Xylene | <0.00200 | 0.100 | 0.0987 | 99 | 0.0975 | 98 | 71-133 | 1 | 35 | mg/kg | 04.04.2020 22:36 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 114 | | 109 | | 109 | | 70-130 | % | 04.04.2020 22:36 |
| 4-Bromofluorobenzene | 91 | | 84 | | 84 | | 70-130 | % | 04.04.2020 22:36 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



LT Environmental, Inc.

PLU 421 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121969

Parent Sample Id: 657796-004

Matrix: Soil

MS Sample Id: 657796-004 S

Prep Method: SW5030B

Date Prep: 04.04.2020

MSD Sample Id: 657796-004 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.0998 | 0.109 | 109 | 0.113 | 114 | 70-130 | 4 | 35 | mg/kg | 04.05.2020 10:10 | |
| Toluene | <0.00200 | 0.0998 | 0.0920 | 92 | 0.0954 | 96 | 70-130 | 4 | 35 | mg/kg | 04.05.2020 10:10 | |
| Ethylbenzene | <0.00200 | 0.0998 | 0.0807 | 81 | 0.0828 | 83 | 71-129 | 3 | 35 | mg/kg | 04.05.2020 10:10 | |
| m,p-Xylenes | <0.00399 | 0.200 | 0.160 | 80 | 0.166 | 83 | 70-135 | 4 | 35 | mg/kg | 04.05.2020 10:10 | |
| o-Xylene | <0.00200 | 0.0998 | 0.0817 | 82 | 0.0862 | 87 | 71-133 | 5 | 35 | mg/kg | 04.05.2020 10:10 | |

Surrogate

| | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 109 | | 109 | | 70-130 | % | 04.05.2020 10:10 |
| 4-Bromofluorobenzene | 88 | | 88 | | 70-130 | % | 04.05.2020 10:10 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121965

Parent Sample Id: 657499-002

Matrix: Soil

MS Sample Id: 657499-002 S

Prep Method: SW5030B

Date Prep: 04.04.2020

MSD Sample Id: 657499-002 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00199 | 0.0996 | 0.118 | 118 | 0.113 | 114 | 70-130 | 4 | 35 | mg/kg | 04.04.2020 23:17 | |
| Toluene | <0.00199 | 0.0996 | 0.104 | 104 | 0.100 | 101 | 70-130 | 4 | 35 | mg/kg | 04.04.2020 23:17 | |
| Ethylbenzene | <0.00199 | 0.0996 | 0.0944 | 95 | 0.0917 | 92 | 71-129 | 3 | 35 | mg/kg | 04.04.2020 23:17 | |
| m,p-Xylenes | <0.00398 | 0.199 | 0.181 | 91 | 0.176 | 89 | 70-135 | 3 | 35 | mg/kg | 04.04.2020 23:17 | |
| o-Xylene | <0.00199 | 0.0996 | 0.0952 | 96 | 0.0917 | 92 | 71-133 | 4 | 35 | mg/kg | 04.04.2020 23:17 | |

Surrogate

| | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 109 | | 109 | | 70-130 | % | 04.04.2020 23:17 |
| 4-Bromofluorobenzene | 86 | | 85 | | 70-130 | % | 04.04.2020 23:17 |

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 04.01.2020 09.00.00 AM

Work Order #: 657499

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T-NM-007

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | Yes |
| #5 Custody Seals intact on sample bottles? | Yes |
| #6*Custody Seals Signed and dated? | Yes |
| #7 *Chain of Custody present? | Yes |
| #8 Any missing/extra samples? | No |
| #9 Chain of Custody signed when relinquished/ received? | Yes |
| #10 Chain of Custody agrees with sample labels/matrix? | Yes |
| #11 Container label(s) legible and intact? | Yes |
| #12 Samples in proper container/ bottle? | Yes |
| #13 Samples properly preserved? | Yes |
| #14 Sample container(s) intact? | Yes |
| #15 Sufficient sample amount for indicated test(s)? | Yes |
| #16 All samples received within hold time? | Yes |
| #17 Subcontract of sample(s)? | No |
| #18 Water VOC samples have zero headspace? | N/A |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

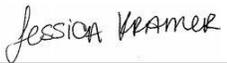
PH Device/Lot#:

Checklist completed by:


Elizabeth McClellan

Date: 04.01.2020

Checklist reviewed by:


Jessica Kramer

Date: 04.01.2020



Analytical Report 658452

for

LT Environmental, Inc.

Project Manager: Dan Moir

PLU 421 Battery

012920046

04.10.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



04.10.2020

Project Manager: **Dan Moir**
LT Environmental, Inc.
4600 W. 60th Avenue
Arvada, CO 80003

Reference: XENCO Report No(s): **658452**
PLU 421 Battery
Project Address: Eddy County

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 658452. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 658452 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Jessica Kramer'. The signature is written in a cursive, slightly slanted style.

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| BH01 | S | 04.09.2020 09:33 | 1 ft | 658452-001 |
| BH01A | S | 04.09.2020 09:35 | 2 ft | 658452-002 |
| BH02 | S | 04.09.2020 10:02 | 1 ft | 658452-003 |
| BH02A | S | 04.09.2020 10:04 | 2 ft | 658452-004 |



CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: PLU 421 Battery

Project ID: 012920046
Work Order Number(s): 658452

Report Date: 04.10.2020
Date Received: 04.09.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3122575 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analysis Summary 658452

LT Environmental, Inc., Arvada, CO

Project Name: PLU 421 Battery

Project Id: 012920046
Contact: Dan Moir
Project Location: Eddy County

Date Received in Lab: Thu 04.09.2020 12:31
Report Date: 04.10.2020 14:12
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 658452-001 | 658452-002 | 658452-003 | 658452-004 | | |
|------------------------------------|-------------------|------------------|------------------|------------------|------------------|--|--|
| | <i>Field Id:</i> | BH01 | BH01A | BH02 | BH02A | | |
| | <i>Depth:</i> | 1- ft | 2- ft | 1- ft | 2- ft | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | | |
| | <i>Sampled:</i> | 04.09.2020 09:33 | 04.09.2020 09:35 | 04.09.2020 10:02 | 04.09.2020 10:04 | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | 04.09.2020 16:42 | 04.09.2020 16:42 | 04.09.2020 16:42 | 04.09.2020 16:42 | | |
| | <i>Analyzed:</i> | 04.10.2020 05:05 | 04.10.2020 05:25 | 04.10.2020 05:45 | 04.10.2020 06:06 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Benzene | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| Toluene | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| Ethylbenzene | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| m,p-Xylenes | | <0.00401 0.00401 | <0.00403 0.00403 | <0.00402 0.00402 | <0.00403 0.00403 | | |
| o-Xylene | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| Total Xylenes | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| Total BTEX | | <0.00200 0.00200 | <0.00202 0.00202 | <0.00201 0.00201 | <0.00202 0.00202 | | |
| Chloride by EPA 300 | <i>Extracted:</i> | 04.09.2020 14:46 | 04.09.2020 14:46 | 04.09.2020 14:46 | 04.09.2020 14:46 | | |
| | <i>Analyzed:</i> | 04.09.2020 17:21 | 04.09.2020 17:27 | 04.09.2020 17:32 | 04.09.2020 17:38 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Chloride | | 10.7 9.94 | 18.8 10.1 | 29.7 10.0 | 13.5 9.98 | | |
| TPH by SW8015 Mod | <i>Extracted:</i> | 04.09.2020 14:00 | 04.09.2020 14:00 | 04.09.2020 14:00 | 04.09.2020 14:00 | | |
| | <i>Analyzed:</i> | 04.09.2020 16:50 | 04.09.2020 17:10 | 04.09.2020 17:51 | 04.09.2020 17:31 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Gasoline Range Hydrocarbons (GRO) | | <49.9 49.9 | <50.0 50.0 | <49.8 49.8 | <50.2 50.2 | | |
| Diesel Range Organics (DRO) | | <49.9 49.9 | <50.0 50.0 | 1570 49.8 | 50.8 50.2 | | |
| Motor Oil Range Hydrocarbons (MRO) | | <49.9 49.9 | <50.0 50.0 | 265 49.8 | <50.2 50.2 | | |
| Total GRO-DRO | | <49.9 49.9 | <50.0 50.0 | 1570 49.8 | 50.8 50.2 | | |
| Total TPH | | <49.9 49.9 | <50.0 50.0 | 1840 49.8 | 50.8 50.2 | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: BH01 | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-001 | Date Collected: 04.09.2020 09:33 | Sample Depth: 1 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 14:46 | Basis: Wet Weight |
| Seq Number: 3122582 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 10.7 | 9.94 | mg/kg | 04.09.2020 17:21 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.09.2020 14:00 |
| Seq Number: 3122635 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.9 | 49.9 | mg/kg | 04.09.2020 16:50 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.9 | 49.9 | mg/kg | 04.09.2020 16:50 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.9 | 49.9 | mg/kg | 04.09.2020 16:50 | U | 1 |
| Total GRO-DRO | PHC628 | <49.9 | 49.9 | mg/kg | 04.09.2020 16:50 | U | 1 |
| Total TPH | PHC635 | <49.9 | 49.9 | mg/kg | 04.09.2020 16:50 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 88 | % | 70-135 | 04.09.2020 16:50 | |
| o-Terphenyl | 84-15-1 | 89 | % | 70-135 | 04.09.2020 16:50 | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

Sample Id: **BH01**
 Lab Sample Id: 658452-001

Matrix: Soil
 Date Collected: 04.09.2020 09:33

Date Received: 04.09.2020 12:31
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 04.09.2020 16:42

Basis: Wet Weight

Seq Number: 3122575

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00401 | 0.00401 | mg/kg | 04.10.2020 05:05 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 04.10.2020 05:05 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 95 | % | 70-130 | 04.10.2020 05:05 | | |
| 1,4-Difluorobenzene | 540-36-3 | 106 | % | 70-130 | 04.10.2020 05:05 | | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: BH01A | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-002 | Date Collected: 04.09.2020 09:35 | Sample Depth: 2 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 14:46 | Basis: Wet Weight |
| Seq Number: 3122582 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 18.8 | 10.1 | mg/kg | 04.09.2020 17:27 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.09.2020 14:00 |
| Seq Number: 3122635 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 04.09.2020 17:10 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 04.09.2020 17:10 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 04.09.2020 17:10 | U | 1 |
| Total GRO-DRO | PHC628 | <50.0 | 50.0 | mg/kg | 04.09.2020 17:10 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 04.09.2020 17:10 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 100 | % | 70-135 | 04.09.2020 17:10 | |
| o-Terphenyl | 84-15-1 | 104 | % | 70-135 | 04.09.2020 17:10 | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: BH01A | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-002 | Date Collected: 04.09.2020 09:35 | Sample Depth: 2 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 16:42 | Basis: Wet Weight |
| Seq Number: 3122575 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| Toluene | 108-88-3 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00403 | 0.00403 | mg/kg | 04.10.2020 05:25 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| Total BTEX | | <0.00202 | 0.00202 | mg/kg | 04.10.2020 05:25 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 107 | % | 70-130 | 04.10.2020 05:25 | | |
| 4-Bromofluorobenzene | 460-00-4 | 96 | % | 70-130 | 04.10.2020 05:25 | | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: BH02 | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-003 | Date Collected: 04.09.2020 10:02 | Sample Depth: 1 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 14:46 | Basis: Wet Weight |
| Seq Number: 3122582 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 29.7 | 10.0 | mg/kg | 04.09.2020 17:32 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.09.2020 14:00 |
| Seq Number: 3122635 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.8 | 49.8 | mg/kg | 04.09.2020 17:51 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 1570 | 49.8 | mg/kg | 04.09.2020 17:51 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | 265 | 49.8 | mg/kg | 04.09.2020 17:51 | | 1 |
| Total GRO-DRO | PHC628 | 1570 | 49.8 | mg/kg | 04.09.2020 17:51 | | 1 |
| Total TPH | PHC635 | 1840 | 49.8 | mg/kg | 04.09.2020 17:51 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 120 | % | 70-135 | 04.09.2020 17:51 | |
| o-Terphenyl | 84-15-1 | 126 | % | 70-135 | 04.09.2020 17:51 | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: BH02 | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-003 | Date Collected: 04.09.2020 10:02 | Sample Depth: 1 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 16:42 | Basis: Wet Weight |
| Seq Number: 3122575 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 04.10.2020 05:45 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 04.10.2020 05:45 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 96 | % | 70-130 | 04.10.2020 05:45 | | |
| 1,4-Difluorobenzene | 540-36-3 | 108 | % | 70-130 | 04.10.2020 05:45 | | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: BH02A | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-004 | Date Collected: 04.09.2020 10:04 | Sample Depth: 2 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 14:46 | Basis: Wet Weight |
| Seq Number: 3122582 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 13.5 | 9.98 | mg/kg | 04.09.2020 17:38 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.09.2020 14:00 |
| Seq Number: 3122635 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.09.2020 17:31 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 50.8 | 50.2 | mg/kg | 04.09.2020 17:31 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.09.2020 17:31 | U | 1 |
| Total GRO-DRO | PHC628 | 50.8 | 50.2 | mg/kg | 04.09.2020 17:31 | | 1 |
| Total TPH | PHC635 | 50.8 | 50.2 | mg/kg | 04.09.2020 17:31 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 121 | % | 70-135 | 04.09.2020 17:31 | |
| o-Terphenyl | 84-15-1 | 128 | % | 70-135 | 04.09.2020 17:31 | |



Certificate of Analytical Results 658452

LT Environmental, Inc., Arvada, CO

PLU 421 Battery

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: BH02A | Matrix: Soil | Date Received: 04.09.2020 12:31 |
| Lab Sample Id: 658452-004 | Date Collected: 04.09.2020 10:04 | Sample Depth: 2 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5030B |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.09.2020 16:42 | Basis: Wet Weight |
| Seq Number: 3122575 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| Toluene | 108-88-3 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00403 | 0.00403 | mg/kg | 04.10.2020 06:06 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| Total BTEX | | <0.00202 | 0.00202 | mg/kg | 04.10.2020 06:06 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 106 | % | 70-130 | 04.10.2020 06:06 | | |
| 4-Bromofluorobenzene | 460-00-4 | 93 | % | 70-130 | 04.10.2020 06:06 | | |



LT Environmental, Inc.

PLU 421 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3122582

MB Sample Id: 7700932-1-BLK

Matrix: Solid

LCS Sample Id: 7700932-1-BKS

Prep Method: E300P

Date Prep: 04.09.2020

LCSD Sample Id: 7700932-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <10.0 | 250 | 256 | 102 | 258 | 103 | 90-110 | 1 | 20 | mg/kg | 04.09.2020 15:07 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3122582

Parent Sample Id: 658381-001

Matrix: Soil

MS Sample Id: 658381-001 S

Prep Method: E300P

Date Prep: 04.09.2020

MSD Sample Id: 658381-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 118 | 199 | 328 | 106 | 326 | 104 | 90-110 | 1 | 20 | mg/kg | 04.09.2020 15:26 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3122582

Parent Sample Id: 658383-004

Matrix: Soil

MS Sample Id: 658383-004 S

Prep Method: E300P

Date Prep: 04.09.2020

MSD Sample Id: 658383-004 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | <9.96 | 249 | 247 | 99 | 250 | 100 | 90-110 | 1 | 20 | mg/kg | 04.09.2020 16:43 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3122635

MB Sample Id: 7700958-1-BLK

Matrix: Solid

LCS Sample Id: 7700958-1-BKS

Prep Method: SW8015P

Date Prep: 04.09.2020

LCSD Sample Id: 7700958-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 877 | 88 | 971 | 97 | 70-135 | 10 | 35 | mg/kg | 04.09.2020 13:25 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 952 | 95 | 1070 | 107 | 70-135 | 12 | 35 | mg/kg | 04.09.2020 13:25 | |

Surrogate

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 104 | | 126 | | 119 | | 70-135 | % | 04.09.2020 13:25 |
| o-Terphenyl | 113 | | 112 | | 122 | | 70-135 | % | 04.09.2020 13:25 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3122635

MB Sample Id: 7700958-1-BLK

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.09.2020

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 04.09.2020 13:04 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



LT Environmental, Inc.

PLU 421 Battery

Analytical Method: TPH by SW8015 Mod

Seq Number: 3122635

Parent Sample Id: 658383-006

Matrix: Soil

MS Sample Id: 658383-006 S

Prep Method: SW8015P

Date Prep: 04.09.2020

MSD Sample Id: 658383-006 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 1010 | 101 | 1020 | 102 | 70-135 | 1 | 35 | mg/kg | 04.09.2020 14:26 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 1100 | 110 | 1130 | 113 | 70-135 | 3 | 35 | mg/kg | 04.09.2020 14:26 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 127 | | 126 | | 70-135 | % | 04.09.2020 14:26 |
| o-Terphenyl | 128 | | 129 | | 70-135 | % | 04.09.2020 14:26 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122575

MB Sample Id: 7700965-1-BLK

Matrix: Solid

LCS Sample Id: 7700965-1-BKS

Prep Method: SW5030B

Date Prep: 04.09.2020

LCSD Sample Id: 7700965-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.107 | 107 | 0.110 | 110 | 70-130 | 3 | 35 | mg/kg | 04.09.2020 22:37 | |
| Toluene | <0.00200 | 0.100 | 0.102 | 102 | 0.104 | 104 | 70-130 | 2 | 35 | mg/kg | 04.09.2020 22:37 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0961 | 96 | 0.0989 | 99 | 71-129 | 3 | 35 | mg/kg | 04.09.2020 22:37 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.199 | 100 | 0.204 | 102 | 70-135 | 2 | 35 | mg/kg | 04.09.2020 22:37 | |
| o-Xylene | <0.00200 | 0.100 | 0.0999 | 100 | 0.104 | 104 | 71-133 | 4 | 35 | mg/kg | 04.09.2020 22:37 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 107 | | 104 | | 105 | | 70-130 | % | 04.09.2020 22:37 |
| 4-Bromofluorobenzene | 95 | | 90 | | 94 | | 70-130 | % | 04.09.2020 22:37 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122575

Parent Sample Id: 658342-041

Matrix: Soil

MS Sample Id: 658342-041 S

Prep Method: SW5030B

Date Prep: 04.09.2020

MSD Sample Id: 658342-041 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.115 | 115 | 0.119 | 119 | 70-130 | 3 | 35 | mg/kg | 04.09.2020 23:18 | |
| Toluene | <0.00200 | 0.100 | 0.108 | 108 | 0.112 | 112 | 70-130 | 4 | 35 | mg/kg | 04.09.2020 23:18 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0996 | 100 | 0.103 | 103 | 71-129 | 3 | 35 | mg/kg | 04.09.2020 23:18 | |
| m,p-Xylenes | <0.00401 | 0.200 | 0.204 | 102 | 0.211 | 106 | 70-135 | 3 | 35 | mg/kg | 04.09.2020 23:18 | |
| o-Xylene | <0.00200 | 0.100 | 0.103 | 103 | 0.107 | 107 | 71-133 | 4 | 35 | mg/kg | 04.09.2020 23:18 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 105 | | 106 | | 70-130 | % | 04.09.2020 23:18 |
| 4-Bromofluorobenzene | 91 | | 92 | | 70-130 | % | 04.09.2020 23:18 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 1658452

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Corsado, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8900 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page 1 of 1

Project Manager: Dan Moir
 Company Name: LT Environmental, Inc
 Address: 3300 North A Street
 City, State ZIP: Midland, TX 79705
 Phone: (432) 236-3849
 Email: emorencolab.com

Bill to: (if different)
 Company Name: Kyle Littrell
 Address: 3104 E Greene St
 City, State ZIP: Corsado, NM 88220

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting Level: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADAPT Other: _____

Project Name: PLU 421 Battery
 Project Number: 012920046
 Project Location: Eddy County
 Sampler's Name: Ezequiel Moreno
 PO #: _____
 Turn Around: Routine
 Rush: _____
 Due Date: _____

SAMPLE RECEIPT
 Temperature (°C): 14
 Received Intact: Yes No
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Correction Factor: T-JN4-007
 Total Containers: 4

| Lab ID | Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | Pres. Code | ANALYSIS REQUEST | Preservative Codes |
|--------|-----------------------|--------|--------------|--------------|-------|----------------------|------------|----------------------|--|
| BH01 | | S | 4/9/20 | 0933 | 1 | 1 | X | TPH (EPA 8015) | MeOH: Me None: NO HNO3: HN H2SO4: H2 HCL: HL NaOH: Na Zn Acetate+ NaOH: Zn |
| BH01A | | | | 0935 | 2 | 1 | X | BTEX (EPA 0-8021) | TAT starts the day received by the lab, if received by 4:00pm |
| BH02 | | | | 1002 | 1 | 1 | X | Chloride (EPA 300.0) | |
| BH02A | | | | 1004 | 2 | 1 | X | | |

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

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time: 4/9/20 12:31

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 04.09.2020 12.31.00 PM

Work Order #: 658452

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T-NM-007

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | 1.4 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | Yes |
| #5 Custody Seals intact on sample bottles? | Yes |
| #6*Custody Seals Signed and dated? | Yes |
| #7 *Chain of Custody present? | Yes |
| #8 Any missing/extra samples? | No |
| #9 Chain of Custody signed when relinquished/ received? | Yes |
| #10 Chain of Custody agrees with sample labels/matrix? | Yes |
| #11 Container label(s) legible and intact? | Yes |
| #12 Samples in proper container/ bottle? | Yes |
| #13 Samples properly preserved? | Yes |
| #14 Sample container(s) intact? | Yes |
| #15 Sufficient sample amount for indicated test(s)? | Yes |
| #16 All samples received within hold time? | Yes |
| #17 Subcontract of sample(s)? | No |
| #18 Water VOC samples have zero headspace? | N/A |

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:


Elizabeth McClellan

Date: 04.09.2020

Checklist reviewed by:


Jessica Kramer

Date: 04.09.2020