District I 1625 N. French Dr., Hobbs, NM 88240 District III 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 | NRM2010541885 |
|----------------|---------------|
| 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) |
| Contact mailing address 522 W. Mermod, Carlsbad, NM 88220 | |

Location of Release Source

Latitude ______

| | Longitude | -103.910228 |
|----------------------|-------------------|-------------|
| (NAD 83 in decimal d | egrees to 5 decin | nal places) |

-103.910228

| Site Name PLU 20 BD 102H | Site Type Well Pad |
|-----------------------------------|--|
| Date Release Discovered 3/30/2020 | API# (<i>if applicable</i>) 30-015-45468 |

| 1 | Unit Letter | Section | Township | Range | County |
|---|-------------|---------|----------|-------|--------|
| | М | 20 | 258 | 30E | Eddy |

Surface Owner: State X Federal Tribal Private (Name: _

Nature and Volume of Release

| Material | (s) Released (Select all that apply and attach calculations or specific | justification for the volumes provided below) |
|----------------------------------|--|--|
| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| X Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| Recycled Produced Water | 255.47 bbls | 200 bbls |
| Cause of Release During separate | frac operations a lay-flat line with recycled produced we at the head. A third party contractor will be retained | vater was going into a working tank manifold and to complete remediation activities. |
| | | |

Oil Conservation Division

| Incident ID | NRM2010541885 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
|--------------------------|---|
| release as defined by | An unauthorized release greater than 25 barrels. |
| 19.15.29.7(A) NMAC? | |
| Yes No | |
| | |
| | |
| If YES, was immediate n | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| By Amy Ruth to Mike Bra | atcher; Rob Hamlet; Victoria Venegas; 'Griswold, Jim, EMNRD'; blm_nm_cfo_spill@blm.gov; Crisha Morgan |
| on Tuesday, March 31, 20 | 20 9:36 AM. |
| | |
| | Initial Response |
| The responsible | party must undertake the following actions immediately unless they could create a safety hazard that would result in injury |

 \checkmark The source of the release has been stopped.

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

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

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

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

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

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

| Printed Name: Kyle Littrell | Title: |
|--|----------------------------------|
| Signature: <u>Hereitan</u> email: Kyle_Littrell@xtoenergy.com | Date: Telephone: 432-221-7331 |
| | |
| OCD Only | |
| Received by: Ramona Marcus | Date: 4/14/2020 |

N/A

Received by OCD: 12/22/2020/11:04:56/AM Received by OCD: 4/13/2020 2:37:02 PM

NRM2010541885

| Location: | PLU 20 BD 102H | |
|-------------------|----------------------------|-----------------|
| Spill Date: | 3/30/2020 | |
| | Area 1 | |
| Approximate A | rea = | 36262.00 sq. ft |
| Average Satura | tion (or depth) of spill = | 0.25 inche |
| Average Porosi | ty Factor = | 0.03 |
| | VOLUME OF LEAK | |
| Total Crude Oil | = | 0.00 bbls |
| Total Produced | Water = | 204.04 bbls |
| | Area 2 | |
| Approximate A | rea = | 1064.00 sq. ft |
| Average Satura | tion (or depth) of spill = | 3.00 inche |
| Average Porosi | ty Factor = | 0.15 |
| | VOLUME OF LEAK | |
| Total Crude Oil | | 0.00 bbls |
| Total Produced | | 7.11 bbls |
| | Area 3 | |
| Approximate A | rea = | 4977.00 sq. ft |
| Average Satura | tion (or depth) of spill = | 4.00 inche |
| Average Porosi | ty Factor = | 0.15 |
| | VOLUME OF LEAK | |
| Total Crude Oil = | | 0.00 bbls |
| Total Produced | Water = | 44.32 bbls |

| TOTAL VOLUME OF LEAK | | |
|------------------------------------|------|------|
| Total Crude Oil = | 0.00 | bbls |
| Total Produced Water = 255.47 bbls | | bbls |
| TOTAL VOLUME RECOVERED | | |
| Total Crude Oil = 0.00 bbls | | |
| Total Produced Water = 200.00 bbls | | |

Received by OCD: 12/22/2020 11:04:56 AM Form C-1+1 State of New Mexico

Page 3

Oil Conservation Division

| | Page 4 of 10 |
|----------------|---------------------|
| Incident ID | NRM2010541885 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

| Received by OCD: 12/2 | 272020 11:04756 AM State of New Mexico | | | Page 5 of 106 |
|--|--|--|---|--|
| | | | Incident ID | NRM2010541885 |
| Page 4 | Oil Conservation Divisio | n | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all operators public health or the envir failed to adequately inve- addition, OCD acceptanc and/or regulations. Printed Name: Signature: email:Kyle_L | information given above is true and complete to t are required to report and/or file certain release n ronment. The acceptance of a C-141 report by th stigate and remediate contamination that pose a t ce of a C-141 report does not relieve the operator <u>Kyle Littrell</u> <u>Mandaeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee</u> | notifications and perform the OCD does not relieve the threat to groundwater, sur- of responsibility for com Title: <u>SH&E</u> Date: <u>09/15/20</u> | corrective actions for rele he operator of liability sh face water, human health pliance with any other fe Supervisor | eases which may endanger ould their operations have or the environment. In |
| OCD Only Received by: Cristin | na Eads | Date:09 | <u>9/25/20</u> 20 | |

Received by OCD: 12/22/2020 11:04:56 AM Form C-141 State of New Mexico

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Oil Conservation Division

Application ID

Closure

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

| <u>Closure Report Attachment Checklist</u> : Each of the following | items must be included in the closure report. |
|---|---|
| A scaled site and sampling diagram as described in 19.15.29 | .11 NMAC |
| Photographs of the remediated site prior to backfill or photo must be notified 2 days prior to liner inspection) | os of the liner integrity if applicable (Note: appropriate OCD District office |
| Laboratory analyses of final sampling (Note: appropriate OD | OC District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of | lations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in |
| Printed Name: Kyle Littrell | Title:SH&E Supervisor |
| Signature: | Date: <u>09/15/2020</u> |
| email:Kyle_Littrell@xtoenergy.com | Telephone: <u>432-221-7331</u> |
| | |
| OCD Only | |
| Received by: Cristina Eads | Date: <u>09/25/20</u> 20 |
| | y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations. |
| Closure Approved by Justan 2 | Date: 12/22/2020 |
| Printed Name: Cristina Eads | Title: Environmental Specialist |
| | |

LT Environmental, Inc.

3300 North "A" Street Building 1, Unit 103 Midland, Texas 79705 432.704.5178

A proud member of WSP

September 21, 2020

New Mexico Oil Conservation Division District 2 811 South First Street Artesia, New Mexico 88210

RE: Closure Request Poker Lake Unit 20 Brushy Draw 102H Incident Number NRM2010541885 Eddy County, New Mexico

To Whom It May Concern:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the Poker Lake Unit (PLU) 20 Brushy Draw 102H (Site) in Unit M, Section 20, 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 assess for the presence or absence of impacts to soil following the release of recycled produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM2010541885.

RELEASE BACKGROUND

On March 30, 2020 during frac operations, a lay-flat line separated at the head resulting in the release of approximately 255.47 barrels (bbls) of recycled produced water onto the caliche well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 200 bbls of recycled produced water were recovered. No released fluids escaped the well pad. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on April 13, 2020 and was assigned Incident Number NRM2010541885.

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 water well with depth to groundwater data is United States Geological Survey (USGS) well 320628103533001, located approximately 1.1 miles east of the Site. The groundwater well has a reported depth to



District 2 Page 2

groundwater of approximately 264 feet bgs and a total depth of 288 feet bgs. There are six groundwater wells within a 3-mile radius that all indicate regional depth to groundwater is greater than 100 feet bgs. New Mexico Office of the State Engineer (NMOSE) well C-03782, located 1.45 miles southeast of the Site, was most recently measured in January 2015 and had a reported depth to groundwater of approximately 277 feet bgs. The referenced well records are in Attachment 1. The closest continuously flowing water or significant watercourse to the Site is a dry wash located approximately 405 feet east 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). The Site receptors are depicted on Figure 1.

During February 2020, in an effort to confirm depth to water in the area, a borehole (BH01) was advanced to a depth of 110 feet bgs via truck-mounted sonic drill rig. The borehole was located approximately 1,420 feet northwest of the Site. The location of borehole BH01 is provided on Figure 1. An LTE geologist logged and described soils continuously. The borehole lithologic/soil sampling log is included in Attachment 2. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs.

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 SOIL SAMPLING ACTIVITIES

On April 23, 2020, LTE personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. LTE personnel collected five preliminary soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.3 feet bgs to assess for the presence or absence of soil impacts at ground



District 2 Page 3

surface. Soil was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positing System (GPS) unit and are presented on Figure 2.

The preliminary 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.

Laboratory analytical results indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in preliminary soil samples SS01 through SS05. To further evaluate for the presence or absence of impacted soil, additional lateral and vertical assessment activities were scheduled. Photographic documentation was conducted during the site visit. Photographs are included in Attachment 3.

On July 23, 2020, LTE personnel returned to the Site to oversee additional soil assessment activities. Eight potholes (PH01 through PH08) were advanced using a track-mounted backhoe to a maximum depth of approximately 2 feet bgs within the release extent. Potholes PH04 through PH08 were advanced at the SS01 through SS05 preliminary soil sample locations. Delineation soil samples were collected at approximately 1-foot bgs (PH01 through PH03, and PH07) and 2 feet bgs (PH01A, PH02A, PH03A, PH04 through PH06, and PH08). Soil from the potholes 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 potholes (PH01 through PH08) are presented on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above at Xenco in Carlsbad, New Mexico. All potholes were backfilled with soil removed.

ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS05 and delineation soil samples PH01/PH01A through PH03/PH03A, and PH04 through PH08 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.



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CLOSURE REQUEST

Preliminary soil samples SS01 through SS05 and delineation samples PH01/PH01A through PH03/PH03A, and PH04 through PH08 were collected from within the release extent from depths ranging from 0.3 feet to 2 feet bgs to assess for the presence or absence of soil impacts as a result of the March 30, 2020, recycled produced water release. Laboratory analytical results for the preliminary and delineation soil samples indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

Based on initial response efforts, soil sample laboratory analytical results compliant with the Closure Criteria, and confirmed depth to groundwater greater than 100 feet bgs, no soil excavation was warranted as a result of the recycled produced water release. XTO respectfully requests NFA for Incident Number NRM2010541885.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Fatima Smith Staff Geologist

Ushley L. Ager

Ashley L. Ager, P.G. Senior Geologist

cc: Kyle Littrell, XTO United States Bureau of Land Management- New Mexico Robert Hamlet, NMOCD Victoria Venegas, NMOCD Cristina Eads, NMOCD

Attachments:

- Figure 1 Site Location Map
- Figure 2 Preliminary Soil Sample Locations
- Figure 3 Delineation Soil Sample Locations
- Table 1Soil Analytical Reports

.



District 2 Page 5

Attachment 1 Referenced Well Records Attachment 2 Lithologic / Soil Sample Logs Attachment 3 Photographic Log Attachment 4 Laboratory Analytical Reports Received by OCD: 12/22/2020/11304756/AM

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FIGURES

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Received by OCD: 12/22/2020/11304756/AM

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TABLES



TABLE 1 SOIL ANALYTICAL RESULTS

POKER LAKE UNIT 20 BRUSHY DRAW 102H INCIDENT NUMBER NRM2010541885 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

| Sample Name | Sample Depth (feet bgs) | Sample Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl- benzene (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 | e 1 Closure Crit | eria | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 2,500 | 20,000 |
| SS01 | 0 - 0.3 | 04/23/2020 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,490 |
| SS02 | 0 - 0.3 | 04/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.1 | 317 | 74.1 | 317 | 391 | 15,800 |
| SS03 | 0 - 0.3 | 04/23/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 11,800 |
| SS04 | 0 - 0.3 | 04/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 11,900 |
| SS05 | 0 - 0.3 | 04/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | 64.0 | <50.2 | 64.0 | 64.0 | 13,600 |
| PH01 | 1 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 348 |
| PH01A | 2 | 07/23/2020 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 130 |
| PH02 | 1 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 3,110 |
| PH02A | 2 | 07/23/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 41.9 |
| PH03 | 1 | 07/23/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 734 |
| PH03A | 2 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 108 |
| PH04 | 2 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 23.9 |
| PH05 | 2 | 07/23/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 18.0 |
| PH06 | 2 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 2,350 |
| PH07 | 1 | 07/23/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 78.3 |
| PH08 | 2 | 07/23/2020 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 484 |

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



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 Geographic Area:

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USGS 320628103533001 25S.30E.21.333424

Available data for this site SUMMARY OF ALL AVAILABLE DATA \checkmark GO

Well Site

DESCRIPTION:

Latitude 32°06'28", Longitude 103°53'30" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 288 feet Land surface altitude: 3,207 feet above NAVD88. Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count |
|---|------------------------------|----------------|-------|
| Field groundwater-level measurements | 1958-08- 21 | 1998-01- 28 | 4 |
| <u>Revisions</u> | Unavailable (timeseries:(| . , | |

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to <u>New Mexico Water Science Center Water-</u> <u>Data Inquiries</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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U.S. Department of the Interior | U.S. Geological Survey Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=320628103533001

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2020-08-17 12:21:22 EDT 0.26 0.25 caww01





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| | WR File Numb | oer: C 037 | 82 | Subbasin: | CUB | Cross Ref | erence: | - | |
|---------------|----------------------|-------------|-------------|-----------------|-----------|---------------|---------|--------------|------------|
| image list | Primary Purpo | ose: EXP | EXPLORA | TION | | | | | |
| in age not | Primary Status | s: PMT | PERMIT | | | | | | |
| | Total Acres: | | | Subfile: | - | | | Header: - | - |
| | Total Diversion | n: 0 | | Cause/Cas | e: - | | | | |
| | Agen | t: ATKIN | NS ENGR AS | SOC INC | | | | | |
| | Contac | | S CORTEZ | | | | | | |
| | Owne | er: BOPC | 0, L.P. | | | | | | |
| | Contac | et: BRIA | N PREGGER | | | | | | |
| ument | ts on File | | | | | | | | |
| | | | Status | | | From/ | | | |
| | Trn # Doc | File/Act | 1 2 | Transaction Des | c. | То | Acres | Diversion | Consumptiv |
| get images | <u>555125 EXPL 2</u> | 014-11-14 | PMT LOG | G C 03782 | | Т | 0 | 0 | |
| ·rent P | Points of Diversion | n | | | | | | | |
| | | - | 0 | (| NAD83 UTM | (1 in meters) | | | |
| | | | ource 64Q16 | Q4Sec Tws Rng | Х | Y | | Location Des | sc |
| | 782 POD1 | Δ. | rtagion 1 2 | 3 28 25S 30E | 604526 | 3551444 | 2/3 MII | LE SW OF | |

8/17/20 10:22 AM

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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

| | | | · • | | | | NE 3=SW to largest) | | · · | (NAD83 | UTM in meters | 5) | |
|--------------|-------|----------------------|-----------|-------|----------|------|------------------------|-----|-------------------------------|---------|----------------------------|-------|--------------|
| Well Tag | POD | Number | | | | | c Tws | | | y | | Y | |
| U | C 0 | 3782 POD1 | 4 | 3 | 3 | 28 | 25S | 30 | 0E | 604520 | 5 355144 | 4 🌍 | |
| Driller Lice | ense: | 331 | Drille | r Cor | npan | ıy: | SBC | Q2, | , LLC E |)BA ST | EWART BR | OTH | ERS DRILLING |
| Driller Nan | ne: | | | | | | CO. | • | | | | | |
| Drill Start | Date: | 01/16/2015 | Drill F | inish | n Dat | e: | 01 | 1/1 | 7/2015 | 1 | Plug Date: | | |
| Log File Da | ate: | 02/19/2015 | PCW | Rev 1 | Date | : | | | | 5 | Source: | | Artesian |
| Ритр Туре | e: | | Pipe D | lisch | arge | Size | : | | | 1 | Estimated Y | ield: | |
| Casing Size | e: | 8.63 | Depth | Well | : | | 80 | 05 | feet |] | Depth Wate | r: | 277 feet |
| | Wate | er Bearing Stratific | cations: | | То | p | Bottom | 1] | Descrip | otion | | | |
| | | | | | 26 | 50 | 320 |) : | Sandsto | ne/Grav | vel/Conglom | erate | |
| | | | | | 32 | 20 | 380 |) : | Sandsto | ne/Grav | /el/Conglom | erate | |
| | | | | 380 | | | | | Sandstone/Gravel/Conglomerate | | | | |
| | | | | | 41 | 0 | 530 |) : | Shale/M | ludston | e/Siltstone | | |
| | | | | | 53 | 0 | 590 |) : | Shale/M | ludston | e/Siltstone | | |
| | | | | | 59 | 0 | 600 |) : | Shale/M | ludston | e/Siltstone | | |
| | | | | | 60 | 00 | 630 |) : | Shale/M | ludston | e/Siltstone | | |
| | | | | | 63 | | 650 | | | | e/Siltstone | | |
| | | | | | 65 | | 700 | | | | e/Siltstone | | |
| | | | | | 70 | | 710 | | | | e/Siltstone | | |
| | | | | | 71 | | 760 | | | | e/Siltstone | | |
| | | | | | 76 | | 770 | | | | e/Siltstone | | |
| | | | | | 77 | | 780 | | | | e/Siltstone | | |
| | | | | | 78 79 | | 790 805 | | | | e/Siltstone e/Siltstone | | |
| | | Casing Perfo | orations: | | To | p | Bottom | 1 | | | | | |
| | | 8 | | | 27 | | 805 | | | | | | |

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POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Site Information
 V

 United States
 V

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- Full News 🔝

USGS 320850103533801 25S.30E.08.224444

Available data for this site SUMMARY OF ALL AVAILABLE DATA \checkmark GO

Well Site

DESCRIPTION:

Latitude 32°08'50", Longitude 103°53'38" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: not determined. Land surface altitude: 3,232 feet above NAVD88. Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count |
|---|------------------------------|----------------|-------|
| Field groundwater-level measurements | 1958-08- 19 | 1958-08- 19 | 1 |
| Revisions | Unavailable (timeseries:0 | | |

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to <u>New Mexico Water Science Center Water-</u> <u>Data Inquiries</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=320850103533801

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2020-08-17 12:24:16 EDT 0.3 0.27 caww01







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National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Site Information
 V

 United States
 V

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- Full News 🔊

USGS 320857103553301 25S.30E.07.112331

Available data for this site SUMMARY OF ALL AVAILABLE DATA \checkmark GO

Well Site

DESCRIPTION:

Latitude 32°08'57", Longitude 103°55'33" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 385 feet Land surface altitude: 3,169 feet above NAVD88. Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count |
|---|------------------------------|----------------|-------|
| Field groundwater-level measurements | 1959-02- 05 | 1998-01- 28 | 5 |
| <u>Revisions</u> | Unavailable (timeseries:(| . , | |

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to <u>New Mexico Water Science Center Water-</u> <u>Data Inquiries</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=320857103553301

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2020-08-17 12:25:20 EDT 0.26 0.25 caww01





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| | WR File Number: | C 0136 | 1 | | Subbasi | n: CUB | Cross | Reference: | - | |
|---------------------------|--|-----------------------|----------------------------------|---------------|-------------------------|-------------|-------------------------------------|------------|------------------|------------|
| | Primary Purpose: | IND | INDUS | STRIAL | | | | | | |
| | Primary Status: | DCL | DECL | ARATIO | ON | | | | | |
| | Total Acres: | 0 | | | Subfile: | - | | | Header: | - |
| | Total Diversion: | 0 | | | Cause/C | Case: - | | | | |
| | Owner: | EL PAS | O NATU | JRAL C | GAS | | | | | |
| | Contact: | PAULA | JOY | | | | | | | |
| ocumen | ts on File | | | | | | | | | |
| | T // D Fl./A | | Stat | | | D | From/ | | D: | C |
| | Trn # Doc File/A 460129 COWNF 2010 | | 1 CHG | 2 T PRC C | Transaction | Desc. | То Т | Acres 0 | Diversion | Consumptiv |
| | | | | | | | | | | |
| | 203463 DCL 1953-11- | <u>-17</u> | DCL | PRC C | 01361 | | Т | 0 | 0 | |
| urrent | Points of Diversion | <u>-17</u> | DCL | PRC C | 01361 | 014 2001 | | | 0 | |
| | Points of Diversion | I Tag So | Q urce 64 | Q16Q49 | Sec Tws Rn 05 26S 30 | g | JTM in meters) X Y | Other | 0 Location De | esc |
| POD <u>C 01</u> | Points of Diversion Number Well | I Tag So | Q urce 64 | Q16Q49 | Sec Tws Rn | g | JTM in meters) X Y | Other | | sc |
| POD <u>C 01</u> | Points of Diversion Number Well | l Tag So Sh | Q urce 64 | Q16Q49 | Sec Tws Rn 05 26S 30 | g | JTM in meters) X X 40 354815' | Other | | Desc |
| POD | Points of Diversion Number Well 361 Jse Q Q | l Tag So Sh | Q urce 64 allow 3 Acres | Q16Q49 4 3 | Sec Tws Rn 05 26S 30 | g E 6032 | JTM in meters) X X 40 354815' | Other | Location De | Desc |

8/17/20 10:26 AM

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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

| Well Tag | POD C 01 | Number 361 | (qı | uarters 54 Q1 | are smalle | 2=NE 3=SV est to largest Sec Tws 05 26S | t) R | (NAD8 | | Y |
|-----------------------------|--------------------|----------------------|----------------------|------------------|----------------|--|---------|--------------|--------------|------------------|
| Driller Lice Driller Nan | | 95 | Drill | ler Co | ompany | : FO | LK | K DRILLING | CO. | |
| Drill Start 1 | Date: | 05/16/19 | 52 Drill | Fini | sh Date | : 0 |)6/0 | 01/1952 | Plug Date: | |
| Log File Da | ite: | 11/17/19 | 53 PCW | V Rev | Date: | | | | Source: | Shallow |
| Ритр Туре | : | | Pipe | Disc | harge S | ize: | | | Estimated Y | Yield: |
| Casing Size | : | 12.75 | Dept | th We | ell: | 7 | 75 | feet | Depth Wate | er: 184 feet |
| | Water | r Bearing | Stratifications: | | Тор | Botton | n | Description | | |
| | | | | | 195 | 23 | 0 | Sandstone/Gr | avel/Conglor | nerate |
| | | | | | 255 | 29: | 5 | Sandstone/Gr | avel/Conglon | nerate |
| | | | | | 535 | | | Sandstone/Gr | - | |
| | | | | | 695 | | | Sandstone/Gr | • | |
| | | | | | 740 | /30 | 0 | Sandstone/Gr | aver/Congrom | nerate |
| | | Casi | ng Perforations | : | Тор | | | | | |
| | | | | | 145 | 35. | | | | |
| | | | | | 418 530 | 55: 75: | | | | |
| | | | | | 550 | 15. | 5 | | | |
| | | Number | | | | Meter | | | SIEMENS | |
| | | | umber: L1254 | 817 | | | | ultiplier: | 100.0000 | |
| | | per of Dia | | | | Meter | • | • | Diversion | |
| | | of Measur | | IS | | | | low Percent: | Quantanlu | |
| | Usage | e Multipli | er: | | | Keaun | ıg . | Frequency: | Quarterly | |
| Meter F | Reading | gs (in Acr | e-Feet) | | | | | | | |
| Read | Date | Year | Mtr Reading | Flag | g Rd | r Comm | en | t | | Mtr Amount Onl |
| | /2014 | 2014 | 432977 | Α | RP' | | | | | 0 |
| | /2014 | 2014 | | A | RP' | | | | | 33.464 |
| | /2014 | 2014 | 71523 | A | RP' | | | | | 0 |
| | /2014 /2015 | 2014 2015 | 10869200 20528000 | A A | RP' RP' | | | | | 33.137 29.642 |
| | /2015 | 2015 | 32166600 | A | RP' | | | | | 35.718 |
| | /2015 | 2015 | 41391130 | А | RP' | | | | | 2830.904 |
| | /2020 | 2020 | 44360000 | A | RP' | | | | | 911.113 |
| ±±1/1 | | | . Anna Na anna | | • | _ | | | | |
| | D Met | er Amoui | | | Amour | | | | | |
| | | | 2014 2015 | | 66.60 65.36 | | | | | |
| | | | 2013 2019 | | 2830.90 | | | | | |
| | | | 2019 | | 911.11 | | | | | |
| | Meter | Number | : 16560 | | | Meter | M | ake: | MASTERN | METER |
| | | | . 10200 | | | | | | | |

| Ν | lumb | er of Dial | s: 9 | | | Meter Type: | Diversion | |
|---------------|----------------|------------|-------------|------|---------|-----------------------------|-----------|-------------------|
| τ | J nit o | f Measure | : Gallor | IS | | Return Flow Percent: | | |
| | | Multiplie | | | | Reading Frequency: | Monthly | |
| Meter Rea | | | | | | | | |
| Read D | 0 | Year | Mtr Reading | Flag | g Rdr | Comment | | Mtr Amount Online |
| 01/03/2 | | 2012 | 796624 | A | RPT | | | 0 |
| 04/01/2 | | 2014 | 322335 | R | RPT | Meter Rollover | | 161.335 |
| 07/01/2 | 014 | 2014 | 422977 | А | RPT | | | 30.886 |
| 10/01/2 | 014 | 2014 | 542008 | А | RPT | | | 36.529 |
| 11/20/2 | 014 | 2014 | 597747 | А | RPT | | | 17.106 |
| 11/21/2 | 014 | 2014 | 71523 | А | RPT | | | 0 |
| 12/31/2 | 014 | 2014 | 108692 | А | RPT | | | 11.407 |
| 02/01/2 | 015 | 2015 | 144071 | А | RPT | | | 10.857 |
| 03/02/2 | 015 | 2015 | 177073 | А | RPT | | | 10.128 |
| 04/01/2 | 015 | 2015 | 204100 | А | RPT | | | 8.294 |
| 04/30/2 | 015 | 2015 | 246672 | А | RPT | | | 13.065 |
| 05/31/2 | 015 | 2015 | 286863 | А | RPT | | | 12.334 |
| 07/01/2 | 015 | 2015 | 329411 | А | RPT | | | 13.058 |
| 08/01/2 | 015 | 2015 | 350757 | А | RPT | | | 6.551 |
| 08/31/2 | 015 | 2015 | 384122 | А | RPT | | | 10.239 |
| 10/01/2 | 015 | 2015 | 413202 | А | RPT | | | 8.924 |
| 10/01/2 | 015 | 2015 | 0 | А | RPT | Meter Change | | 0 |
| 10/31/2 | 015 | 2015 | 2767800 | А | RPT | C | | 8.494 |
| 11/30/2 | 015 | 2015 | 5636900 | А | RPT | | | 8.805 |
| 12/31/2 | 015 | 2015 | 7565000 | А | RPT | | | 5.917 |
| 01/31/2 | 016 | 2016 | 9247200 | А | RPT | | | 5.162 |
| 02/29/2 | 016 | 2016 | 12569900 | А | RPT | | | 10.197 |
| 03/31/2 | 016 | 2016 | 14698800 | А | RPT | | | 6.533 |
| 04/30/2 | 016 | 2016 | 16601309 | А | RPT | | | 5.839 |
| 05/30/2 | 016 | 2016 | 19235300 | А | RPT | | | 8.083 |
| 06/30/2 | 016 | 2016 | 22955800 | А | RPT | | | 11.418 |
| 07/31/2 | 016 | 2016 | 26437114 | А | RPT | | | 10.684 |
| 08/30/2 | 016 | 2016 | 30077563 | А | RPT | | | 11.172 |
| 09/30/2 | 016 | 2016 | 32631836 | А | RPT | | | 7.839 |
| 10/31/2 | 016 | 2016 | 35193200 | А | RPT | | | 7.861 |
| 11/30/2 | 016 | 2016 | 37896100 | А | RPT | | | 8.295 |
| 12/31/2 | | 2016 | 41023100 | А | RPT | | | 9.596 |
| 04/04/2 | 019 | 2019 | 99357190 | А | RPT | | | 179.021 |
| **YTD | Mete | er Amoun | ts: Year | | Amount | | | |
| | | | 2012 | | 0 | | | |
| | | | 2014 | | 257.263 | | | |
| | | | 2015 | | 116.666 | | | |
| | | | 2016 | | 102.679 | | | |
| | | | 2019 | | 179.021 | | | |

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8/17/20 10:27 AM

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POINT OF DIVERSION SUMMARY

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| | WR File Number: | C 0136 |) | | Subbasii | n: CUB | Cross | Reference: | - | |
|---------------------|--|------------------------|--------------------------|----------------------|-----------------------------------|-----------------------|-------------------------------------|------------|------------------|------------|
| | Primary Purpose: | IND | INDUS | TRIAL | | | | | | |
| | Primary Status: | DCL | DECLA | RATIC | DN | | | | | |
| | Total Acres: | 0 | | | Subfile: | - | | | Header: | - |
| | Total Diversion: | 0 | | | Cause/C | ase: - | | | | |
| | Owner: | EL PAS | O NATU | RAL G | AS | | | | | |
| | Contact: | PAULA | JOY | | | | | | | |
| ocumen | ts on File | | | | | | | | | |
| | | | Statu | | | | From/ | | | |
| | Trn # Doc File/A 460091 COWNF 2010 | Act 0-05-26 | 1 CHG F | | ransaction I 01360 | Desc. | То Т | Acres 0 | Diversion 0 | Consumptiv |
| | 400091 COWNF 2010 | <u>J-03-26</u> | CHG F | KU U | 01360 | | 1 | 0 | 0 | |
| | | | | | | | _ | | | |
| | 203459 DCL 1953-11- | <u>-17</u> | DCL F | PRC C | 01360 | | Т | 0 | 0 | |
| 'urrent F | 203459 DCL 1953-11- | <u>-17</u> | DCL F | PRC C | 01360 | (NAD831 | - | | 0 | |
| | Points of Diversion Number Well | Tag Sou | Q Irce 640 | Q16Q4S | 01360 Sec Tws Rn 05 26S 301 | g | JTM in meters) X Y | Other | 0 Location De | sc |
| POD <u>C 013</u> | Points of Diversion Number Well | Tag Sou | Q Irce 640 | Q16Q4S | sec Tws Rn | g | JTM in meters) X Y | Other | | sc |
| POD <u>C 013</u> | Points of Diversion Number Well | Tag So Sha | Q Irce 640 | Q16Q4S | iec Tws Rn; 05 268 301 | g | JTM in meters) X Y 97 3548152 | Other | | Desc |
| POD | Points of Diversion Number Well 60 Jse Q Q | Tag So Sha | Q Irce 640 Illow 4 | Q16Q4S 3 3 | iec Tws Rn 05 268 301 sion | g E 6029 CU Use | JTM in meters) X Y 97 3548152 | Other | Location De | Desc |

8/17/20 10:28 AM

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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

| | | | | · • | | | | | JE 3=SW | | | 0.2 1.17 | | |
|---------------------------|--------|------------|-------------|----------|--------|-------|------|------|------------------|---------|-----------|------------|-------------------|-----------|
| Well Tag | POD | Number | | | | | | | o largest Tws | | (NAD | 83 UI X | M in meters) Y | |
| wen lag | C 0 | | | - | 1 1 | 3 | 3 | 05 | | 30E | 6029 | | 3548152 | |
| | C U | 1500 | | | т | 5 | 5 | 05 | 205 | JUL | 002) | .,, | 5540152 | |
| Driller Lice | ense: | 95 | | Dril | ler (| Com | ipar | ıy: | FO | lk df | RILLING | CO. | | |
| Driller Nar | ne: | | | | | | | | | | | | | |
| Drill Start | Date: | 04/26/19 | 952 | Dril | l Fi | nish | Dat | te: | 0: | 5/15/19 | 952 | Plu | ig Date: | |
| Log File Date: 11/17/1953 | | | 953 | PCV | V R | cv D | Date | : | | | | Sou | arce: | Shallow |
| Pump Type | e: | | | Pipe | Di | scha | rge | Size | : | | | Est | imated Yield: | |
| Casing Size | e: | 12.75 | | Dep | th V | Vell: | : | | 7 | 70 feet | t | De | pth Water: | 173 feet |
| | | | | | | | | | | | | | | |
| | Wate | r Bearing | g Stratific | cations: | | | То | рI | Bottom | Des | cription | | | |
| | | | | | | | 21 | 0 | 220 |) San | dstone/G1 | ravel | /Conglomerate | |
| | | | | | | | 58 | 30 | 585 | San | dstone/G1 | ravel | /Conglomerate | e |
| | | | | | | | 66 | 5 | 710 |) San | dstone/G1 | ravel | /Conglomerate | e |
| | | | | | | | 72 | .5 | 770 |) San | dstone/G1 | ravel | /Conglomerate | |
| | | Cas | ing Perfo | rations | : | | То | рI | Bottom | I | | | | |
| | | | | | | | 18 | 30 | 289 |) | | | | |
| | | | | | | | 53 | 8 | 770 |) | | | | |
| | Mete | r Numbe | r: | 16557 | | | | N | Meter 1 | Make: | | SI | EMENS | |
| | Mete | r Serial N | umber: | L1254 | 823 | ; | | Ι | Meter 1 | Multip | olier: | 10 | 0.0000 | |
| | Num | ber of Dia | als: | 8 | | | | Ι | Meter | Гуре: | | Di | iversion | |
| | Unit | of Measu | re: | Gallor | ıs | | | I | Return | Flow | Percent: | | | |
| | Usag | e Multipli | ier: | | | | | I | Readin | g Free | quency: | Qu | uarterly | |
| Meter I | Readin | gs (in Acr | e-Feet) | | | | | | | | | | | |
| Read | l Date | Year | Mtr Re | eading | Fl | ag | R | dr (| Comm | ent | | | Mtı | ·Amount O |
| 07/01 | 1/2014 | 2014 | 2 | .34997 | А | | R | РТ | | | | | | 0 |

| Read Date | Year | Mtr Reading | Flag | Rdr Comment | Mtr Amount Online |
|------------------|------|-------------|------|------------------------------|-------------------|
| 07/01/2014 | 2014 | 234997 | А | RPT | 0 |
| 09/30/2014 | 2014 | 354169 | А | RPT | 36.573 |
| 11/20/2014 | 2014 | 7281000 | А | RPT | 0 |
| 12/31/2014 | 2014 | 11430100 | А | RPT | 12.733 |
| 04/01/2015 | 2015 | 22535200 | А | RPT | 34.080 |
| 07/01/2015 | 2015 | 35821800 | А | RPT | 40.775 |
| 10/05/2015 | 2015 | 46631200 | А | RPT | 33.173 |
| 12/31/2015 | 2015 | 55653200 | А | RPT | 27.688 |
| 01/31/2016 | 2016 | 58047600 | А | RPT | 7.348 |
| 02/29/2016 | 2016 | 61081100 | А | RPT | 9.309 |
| 03/31/2016 | 2016 | 62593100 | А | RPT | 4.640 |
| 06/30/2016 | 2016 | 71642600 | А | RPT | 27.772 |
| 10/03/2016 | 2016 | 81998399 | А | RPT | 31.781 |
| 12/31/2016 | 2016 | 90558600 | А | RPT | 26.270 |
| 04/04/2019 | 2019 | 164290087 | А | RPT | 226.274 |
| 10/02/2019 | 2019 | 790380 | А | RPT METER CHANGE OUT 07/2019 | 0 |
| 01/02/2020 | 2020 | 1733720 | А | RPT | 289.500 |

.

| **YTD Meter Amounts: | Year | Amount | |
|-----------------------------|--------------|----------------------|--------------|
| | 2014 | 49.306 | |
| | 2015 | 135.716 | |
| | 2016 | 107.120 | |
| | 2019 | 226.274 | |
| | 2020 | 289.500 | |
| Meter Number: | 16558 | Meter Make: | MASTERMETER |
| Meter Serial Numb | er: 32530403 | Meter Multipli | er: 100.0000 |
| Number of Dials: | 6 | Meter Type: | Diversion |
| Unit of Measure: | Gallons | Return Flow P | ercent: |
| Usage Multiplier: | | Reading Frequ | ency: |
| | | | |

Meter Readings (in Acre-Feet)

| Read Date | Year M | ltr Reading | Flag | g Rdr Comment | Mtr Amount Online |
|------------|-------------|-------------|------|---------------|-------------------|
| 10/01/2014 | 2014 | 354169 | А | RPT | 0 |
| 11/20/2014 | 2014 | 415555 | А | RPT | 18.839 |
| 11/21/2014 | 2014 | 72810 | А | RPT | 0 |
| 12/31/2014 | 2014 | 112178 | А | RPT | 12.082 |
| 02/01/2015 | 2015 | 147039 | А | RPT | 10.698 |
| 03/02/2015 | 2015 | 188133 | А | RPT | 12.611 |
| 04/01/2015 | 2015 | 224102 | А | RPT | 11.038 |
| 04/30/2015 | 2015 | 270723 | А | RPT | 14.307 |
| 05/31/2015 | 2015 | 315628 | А | tw | 13.781 |
| 07/01/2015 | 2015 | 369075 | А | tw | 16.402 |
| 08/01/2015 | 2015 | 395528 | А | tw | 8.118 |
| 08/31/2015 | 2015 | 455361 | А | tw | 18.362 |
| 10/01/2015 | 2015 | 466312 | А | RPT | 3.361 |
| **YTD Mete | er Amounts: | Year | | Amount | |
| | | 2014 | | 30.921 | |
| | | 2015 | | 108.678 | |

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/17/20 10:28 AM

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POINT OF DIVERSION SUMMARY

Received by OCD: 12/22/2020/11304756/AM

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Received by OCD: 12/22/2020 11:04:56 AM

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| A | proud m WSP | P | | LT Envir 508 Wesi Carlsbad, N npliance · Ei | Stevens ew Mexic | Street o 88220 | | | BH or PH Name: PH01 Site Name: PLU 20 BI RP or Incident Number LTE Job Number: 0129 | : NRM201054 | Date: 7/23/2020 41885 |
|---------------------|-------------------|----------------|----------|---|-----------------------------|-------------------|---------------------|------------------|---|--------------|--------------------------------|
| | | LITH | OLOG | FIC / SOII | | UNG LO |)G | | Logged By: FS | 20002 | Method: Backhoe |
| Lat/Lon | g: 32.1091 | | | | Field Scree | | | | Hole Diameter: | | Total Depth: 2' |
| ~ | | | | | Hatch chlor | | PID | | | | |
| Comme | nts: All ch | loride scre | enings c | lone with a 40 | % correction | n factor. | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | | Ι | _ithology/F | Remarks |
| | | | | | | 0 | CCHE | CALICH | E, dry, tan-off white | e, poorly co | onsolidated, no stain, no odor |
| D | 728 | 0.1 | N | PH01 | 1' | 1 | | SAA | | | |
| | | | | | | _ | | | | | |
| D | 386 | 0.1 | Ν | PH01A | 2' | 2 | | SAA Total der | th 2 feet bgs | | |
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| | - | 7 | | LT Envir | nmenta | l. Inc | | | BH or PH Name: | Date: | |
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| 1 | ΪE | | | 508 Wesi Carlsbad, N | t Stevens | Street | | | PH02 | 7/23/2020 | |
| C | | | (| Carlsbad, N | ew Mexic | o 88220 | | | Site Name: PLU 20 BD102H | | |
| A | proud m f WSP | ember | Coi | mpliance · Ei | ngineerina | · Remedia | ation | | RP or Incident Number: NRM | 2010541885 | |
| 0 | WSP | _ | | | | | | | LTE Job Number: 012920062 | | |
| | | | | GIC / SOII | | |)G | | Logged By: FS | Method: Backhoe | |
| Lat/Loi | ng: 32.1091 | 58, -103.9 | 10228 | | Field Scree Hatch chlor | | PID | | Hole Diameter: | Total Depth: 2' | |
| Comme | ents: All ch | loride scre | enings c | lone with a 40 | | | | | | 1 | |
| | | | | | I | | | 1 | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | | Lithol | ogy/Remarks | |
| | | | | | ſ | 0 | | CALICH | E, dry, tan-off white, poo | rly consolidated, no st | ain, no odor |
| | | | | | | _ | | | , . <u>,</u> ,,,,, | , | , |
| D | 2,486 | 0.0 | Ν | PH02 | 1' | 1 | | SAA | | | |
| D | 296 | 0.1 | Ν | PH02A | 2' | 2 | SP | SAND, d | ry, reddish brown, poorl | graded, fine-very fine | , no stain, no |
| | | | | | | | | Total dep | th 2 feet bgs | | |
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| A proud of WSF | ? member | | LT Envir 508 Wesi Carlsbad, N npliance · Ei | | Street o 88220 | | | BH or PH Name: PH03 Site Name: PLU 20 BD102 RP or Incident Number: NR LTE Job Number: 01292006 | 2H 2M201054 | Date: 7/23/2020 41885 |
|---------------------------------|---|----------|---|-----------------------------|-------------------|---------------------|----------------------|--|----------------|-----------------------------------|
| | LITHOLOGIC / SOIL SAMPLING LOG at/Long: 32.109158, -103.910228 Field Screening: Hatch chloride strips, PID omments: All chloride screenings done with a 40% correction factor. at = 9 (1, 5, 6, 50) # Sample (5, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, | | | | | | | Logged By: FS | | Method: Backhoe |
| Lat/Long: 32.1 | 9158, -103.9 | 910228 | | | | | | Hole Diameter: | | Total Depth: 2' |
| Comments: Al | chloride scre | enings d | lone with a 40 | | | PID | | | | |
| | | | | | | | | | | |
| Moisture Content Chloride | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | | | | Remarks |
| | | | | | 0 | CCHE | CALICH | E, dry, tan-off white, p | oorly co | onsolidated, no stain, no odor |
| D 946 | 0.0 | N | PH03 | 1' | 1 | | SAA | | | |
| D 341 | 0.0 | N | PH03A | 2' | 2 | SP | SAND, d Total dep | ry, reddish brown, poo th 2 feet bgs | orly grad | led, fine-very fine, no stain, no |
| | | | | | | | | | | |

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| 1 | ÍΓ | | | LT Envi i 508 Wes Carlsbad, N | t Stevens | street | | | PH04 | 7/23/2020 | |
| C | | | (| Carlsbad, N | lew Mexic | 0 88220 | | | Site Name: PLU 20 BD10 | | |
| A | proud m f WSP | ember | Cor | mpliance · El | ngineerina | · Remedia | ation | | RP or Incident Number: NH | | |
| | | T T/PT- | | | | | | | LTE Job Number: 0129200 | | |
| Lot/Lor | ng: 32.1091 | | | GIC / SOI | Field Scree | |)G | | Logged By: FS Hole Diameter: | Method: Backhoe Total Depth: 2' | |
| Lat/LOI | ig: 52.1091 | .56, -105.9 | 10228 | | Hatch chlo | | PID | | Hole Diameter. | Total Depth. 2 | |
| Comme | ents: All ch | loride scre | enings d | lone with a 40 | | | | | | | |
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| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth | Depth | USCS/Rock Symbol | | Lith | nology/Remarks | |
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| | | | | | | 0 | CCHE | CALICH | E, dry, tan-off white, p | poorly consolidated, no st | tain, no odor |
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| D | 257 | 0.0 | Ν | PH04 | 2' | 2 | | SAA Total der | th 2 feet bgs | | |
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| eivell | by OCI | . 1444 | 4/2020 | 0 11:04:50 | 1721 <u>171</u> | | | | | | Pag |
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| | - | 7 | | LT Envii | ronmenta | l, Inc. | | | BH or PH Name: | Date | |
| 1 | 412 | | | LT Envi i 508 Wes Carlsbad, N | t Stevens | Street | | | PH05 | | /2020 |
| C | - | | (| Jarisbad, N | iew Mexic | 0 88220 | | | Site Name: PLU 20 BD102 | | _ |
| A | proud m f WSP | ember | Cor | mpliance · E | ngineering | · Remedia | ation | | RP or Incident Number: NF | | 5 |
| | 1.1.2 | TTTT | | GIC / SOI | CANID | | | | LTE Job Number: 0129200 Logged By: FS | | hod: Backhoe |
| [at/Lo | ng: 32.1091 | | | | Field Scree | | JG | | Hole Diameter: | | l Depth: 2' |
| 200/1201 | lig. 52.1071 | .50, -105.7 | 10220 | | | ride strips, l | PID | | Hole Diameter. | 100 | i Depui. 2 |
| Comm | ents: All ch | loride scre | enings c | lone with a 40 | % correctio | n factor. | | | | | |
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| nt | de 1) | ت ت | gu | e # | Sample | Dent | tock ol | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Depth | Depth (ft bgs) | SCS/Roc Symbol | | Lith | nology/Rema | arks |
| ΣŬ | CF (I | ~ 5 | St | Sa | (ft bgs) | (11 055) | USCS/Rock Symbol | | | | |
| | | | | | | 0 | | CALICH | E. dry. tan-off white, r | poorly conso | lidated, no stain, no odor |
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| D | 246 | 0.0 | Ν | PH05 | 2' | 2 | | SAA | | | |
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| | - / | 2 | | 175 | | | | | BH or PH Name: | Date: | |
| 1 | TE | | | LT Envir 508 West Carlsbad, N | onmenta t Stevens | ι ι, IΠC. Street | | | PH06 | 7/23/2020 | |
| C | | 1 | (| Carlsbad, N | lew Mexic | si 88220 | | | Site Name: PLU 20 BD102 | 2H | |
| A | proud m | ember | | | | | | | RP or Incident Number: NR | | |
| 0 | fWSP | | Cor | npliance · El | igineering | | 111011 | | LTE Job Number: 0129200 | | |
| | | | | GIC / SOI | L SAMPI | LING LO |)G | | Logged By: FS | Method: Backhoe | |
| Lat/Lo | ng: 32.1091 | 58, -103.9 | 10228 | | Field Scree | | | | Hole Diameter: | Total Depth: 2' | |
| - | | | | | Hatch chlo | | PID | | | | |
| Comm | ents: All ch | ioride scre | enings d | lone with a 40 | % correction | n factor. | | | | | |
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| ure | ide 1) | n) | gui | le # | Sample | Depth | Roc | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Depth | (ft bgs) | USCS/Rock Symbol | | Lith | ology/Remarks | |
| M C | <u>5</u> | | St | Sa | (ft bgs) | (10080) | USC S | | | | |
| | | | | | | 0 | • | CALICH | E. dry. tan-off white, p | oorly consolidated, no stain, no c | odor |
| | | | | | | | CONE | | 2, ary, and on white, p | | |
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| D | 2,156 | 0.1 | N | PH06 | 2' | 2 | | SAA | | | |
| | 2,150 | 0.1 | 11 | 11100 | | | | Total der | oth 2 feet bgs | | |
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| | | 2 | | 1 T F | ronmost- | 1 100 | | | BH or PH Name: |] | Date: |
| 1 | h C | / | | LT Envi i 508 Wes Carlsbad, N | unmenta t Stevens | i, inc. Street | | | PH07 | | 7/23/2020 |
| C | | 1 | (| Carlsbad, N | lew Mexic | 0 88220 | | | Site Name: PLU 20 BD10 | | |
| A | proud m | ember | | | | | | | RP or Incident Number: NI | | 1885 |
| of | FWSP | | CO | npliance · E | igineening | | | | LTE Job Number: 0129200 | 062 | |
| | | LITH | OLOG | GIC / SOI | | |)G | | Logged By: FS |] | Method: Backhoe |
| Lat/Lor | ng: 32.1091 | 58, -103.9 | 10228 | | Field Scree | | | | Hole Diameter: | r | Total Depth: 2' |
| C | | 1 | | 1 | Hatch chlo | | PID | | | | |
| Comme | ents: All ch | loride scre | enings o | lone with a 40 | % correction | 1 factor. | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | | Lith | hology/Ro | emarks |
| ~ ~ | 0 | | 01 | S | (it bgs) | | | | | | |
| | | | | | | 0 | CCHE | CALICH | E, dry, tan-off white, p | poorly co | nsolidated, no stain, no odor |
| D | 341 | 0.1 | Ν | PH07 | 1' | 2 | | SAA | | | |
| ע | J - 1 | 0.1 | 11 | 11107 | - ⁻ | | | | oth 1 foot bgs | | |
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| erved | by UCL | . 1444 | 4202(| /////////////////////////////////////// | / 21 /11 | | | | DIL DIL N- | 5 | |
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| | 11 | 2 | | LT Envii | ronmenta | I, Inc. | | | BH or PH Name: | | ate: |
| 1 | 5/2 | T | (| LT Envi i 508 Wes Carlsbad, N | t Stevens Iew Mexir | Street | | | PH08 Site Name: PLU 20 BD102 | | 23/2020 |
| A | proud m | ember | | | | | | | RP or Incident Number: NF | | 385 |
| 0 | FWSP | | Cor | mpliance · E | ngineering | · Remedia | ation | | LTE Job Number: 0129200 | | |
| | | LITH | OLOG | GIC / SOI | L SAMP | LING LC |)G | | Logged By: FS | М | ethod: Backhoe |
| Lat/Lor | ng: 32.1091 | 58, -103.9 | 10228 | | Field Scree | | | | Hole Diameter: | Te | otal Depth: 2' |
| Comm | ante: All ch | lorida scra | onings (| lone with a 40 | | ride strips, I | PID | | | | |
| Comme | ents. An en | ionue sere | enings c | ione with a 40 | | li lactor. | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | | Lith | hology/Rei | narks |
| | | | | | | 0 | CCHE | CALICH | E, dry, tan-off white, p | poorly con | solidated, no stain, no odor |
| | | | | | | - | | SAA | | | |
| | | | | | - | | | | | | |
| D | 728 | 0.1 | Ν | PH08 | 2' | 2 | | SAA Total dar | th 2 feet bgs | | |
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ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG



Photograph 1: Initial on pad release facing East



Photograph 3: Southwest view of SS04 and SS05

Photographs Taken: May 26, 2020 – July 23, 2020

PLU 20 BD 102H

Incident Number NRM2010541885



Photograph 2: Initial on pad release facing West



Photograph 4: Far Eastern corner of release, North of SS03, facing West



PHOTOGRAPHIC LOG



Photograph 5: Delineation in vicinity of SS04 facing East



Photograph 6: Delineation of PH02 facing South



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Analytical Report 659667

for

LT Environmental, Inc.

Project Manager: Dan Moir

PLU 20 BD 102H

012920062

04.28.2020

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)



04.28.2020

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

Reference: XENCO Report No(s): 659667 PLU 20 BD 102H 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) 659667. 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. 659667 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,

Jession Vermer

Jessica Kramer Project Manager

A Small Business and Minority Company

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



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Sample Cross Reference 659667

PLU 20 BD 102H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| SS01 | S | 04.23.2020 10:02 | 0 - 0.3 ft | 659667-001 |
| SS02 | S | 04.23.2020 10:05 | 0 - 0.3 ft | 659667-002 |
| SS03 | S | 04.23.2020 10:07 | 0 - 0.3 ft | 659667-003 |
| SS04 | S | 04.23.2020 10:10 | 0 - 0.3 ft | 659667-004 |
| SS05 | S | 04.23.2020 10:14 | 0 - 0.3 ft | 659667-005 |





Client Name: LT Environmental, Inc. Project Name: PLU 20 BD 102H

 Project ID:
 012920062

 Work Order Number(s):
 659667

 Report Date:
 04.28.2020

 Date Received:
 04.23.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Project Id: 012920062

Contact: Dan Moir

Project Location:

Certificate of Analysis Summary 659667

LT Environmental, Inc., Arvada, CO

Project Name: PLU 20 BD 102H

 Date Received in Lab:
 Thu 04.23.2020 13:36

 Report Date:
 04.28.2020 11:22

Project Manager: Jessica Kramer

| | Lab Id: | 659667-0 | 001 | 659667-0 | 02 | 659667-0 | 003 | 659667-0 | 004 | 659667-0 | 05 | |
|------------------------------------|------------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|--|
| Analysis Requested | Field Id: | SS01 | | SS02 | | SS03 | | SS04 | | SS05 | | |
| Analysis Requested | Depth: | 0-0.3 f | t | 0-0.3 ft | t | 0-0.3 f | t | 0-0.3 f | ť | 0-0.3 ft | : | |
| | Matrix: | SOIL | | SOIL | | SOIL | | SOIL | , | SOIL | | |
| | Sampled: | 04.23.2020 | 10:02 | 04.23.2020 | 10:05 | 04.23.2020 | 10:07 | 04.23.2020 | 10:10 | 04.23.2020 | 10:14 | |
| BTEX by EPA 8021B | Extracted: | 04.23.2020 | 16:00 | 04.23.2020 | 16:00 | 04.23.2020 | 16:00 | 04.23.2020 | 16:00 | 04.23.2020 | 16:00 | |
| | Analyzed: | 04.23.2020 | 20:24 | 04.23.2020 | 21:25 | 04.23.2020 | 21:45 | 04.23.2020 | 22:06 | 04.23.2020 | 22:26 | |
| | Units/RL: | mg/kg | RL | |
| Benzene | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| Toluene | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| Ethylbenzene | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| m,p-Xylenes | | < 0.00395 | 0.00395 | <0.00399 | 0.00399 | < 0.00398 | 0.00398 | < 0.00399 | 0.00399 | < 0.00401 | 0.00401 | |
| o-Xylene | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| Total Xylenes | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| Total BTEX | | < 0.00198 | 0.00198 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | |
| Chloride by EPA 300 | Extracted: | 04.23.2020 | 15:00 | 04.23.2020 | 15:00 | 04.23.2020 | 15:00 | 04.23.2020 | 15:00 | 04.23.2020 | 15:00 | |
| | Analyzed: | 04.23.2020 | 16:25 | 04.23.2020 | 16:31 | 04.23.2020 | 16:36 | 04.23.2020 | 16:42 | 04.23.2020 | 16:47 | |
| | Units/RL: | mg/kg | RL | |
| Chloride | | 3490 | 99.6 | 15800 | 499 | 11800 | 501 | 11900 | 504 | 13600 | 501 | |
| TPH by SW8015 Mod | Extracted: | 04.23.2020 | 17:00 | 04.23.2020 | 17:00 | 04.23.2020 | 17:00 | 04.23.2020 | 17:00 | 04.23.2020 | 17:00 | |
| | Analyzed: | 04.23.2020 | 22:03 | 04.23.2020 | 22:24 | 04.23.2020 | 22:44 | 04.24.2020 | 17:27 | 04.24.2020 | 17:47 | |
| | Units/RL: | mg/kg | RL | |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 | 50.0 | <50.1 | 50.1 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | |
| Diesel Range Organics (DRO) | | <50.0 | 50.0 | 317 | 50.1 | <50.1 | 50.1 | <50.2 | 50.2 | 64.0 | 50.2 | |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 | 50.0 | 74.1 | 50.1 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | |
| Total GRO-DRO | | <50.0 | 50.0 | 317 | 50.1 | <50.1 | 50.1 | <50.2 | 50.2 | 64.0 | 50.2 | |
| Total TPH | | <50.0 | 50.0 | 391 | 50.1 | <50.1 | 50.1 | <50.2 | 50.2 | 64.0 | 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

fession VRAMER

Jessica Kramer Project Manager

Final 1.000



Surrogate

o-Terphenyl

.

1-Chlorooctane

Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS01 Lab Sample Id: 659667-001 | | Matrix: Date Collec | Soil eted: 04.23.2020 10:02 | | Date Received:04.23.2020 13:36 Sample Depth: 0 - 0.3 ft | | | |
|---|-----------------------------------|---------------------------------|--------------------------------|----------------|---|----------------------------|------------|--|
| Analytical Method: Chloride by EF | PA 300 | | | | Prep Method: E30 | 00P | | |
| Tech: MAB | | | | | % Moisture: | | | |
| Analyst: MAB | | Date Prep: | 04.23.2020 15:00 | | Basis: We | t Weight | | |
| Seq Number: 3124031 | | 1 | | | | - | | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil | |
| Chloride | 16887-00-6 | 3490 | 99.6 | mg/kg | 04.23.2020 16:25 | | 10 | |
| | | | | | | | | |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3124046 | 15 Mod | Date Prep: | 04.23.2020 17:00 | | Prep Method: SW % Moisture: Basis: We | 78015P et Weight | | |
| Tech: DTH Analyst: DTH | 15 Mod Cas Number | - | 04.23.2020 17:00 RL | Units | % Moisture: | | Dil | |
| Tech: DTH Analyst: DTH Seq Number: 3124046 | | - | | Units mg/kg | % Moisture: Basis: We | t Weight | Dil | |
| Tech: DTH Analyst: DTH Seq Number: 3124046 Parameter | Cas Number | Result 1 | RL | | % Moisture: Basis: We Analysis Date | t Weight Flag | | |
| Tech: DTH Analyst: DTH Seq Number: 3124046 Parameter Gasoline Range Hydrocarbons (GRO) | Cas Number PHC610 | Result] | RL 50.0 | mg/kg | % Moisture: Basis: We Analysis Date 04.23.2020 22:03 | t Weight Flag U | 1 | |
| Tech: DTH Analyst: DTH Seq Number: 3124046 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) | Cas Number PHC610 C10C28DRO | Result <50.0 <50.0 | RL 50.0 50.0 | mg/kg mg/kg | % Moisture: Basis: We Analysis Date 04.23.2020 22:03 04.23.2020 22:03 | t Weight Flag U U | 1 | |

% Recovery

110

120

Units

%

%

Limits

70-135

70-135

Analysis Date

04.23.2020 22:03

04.23.2020 22:03

Flag

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Cas Number

111-85-3

84-15-1



Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | SS01 | | Matrix: | Soil | Da | te Received: | 04.23.2020 13 | :36 |
|---------------|-----------------------|------------|----------------|---------------------|-------|--------------|---------------|-----|
| Lab Sample Io | d: 659667-001 | | Date Collected | d: 04.23.2020 10:02 | Sa | mple Depth: | 0 - 0.3 ft | |
| Analytical Me | ethod: BTEX by EPA 80 | 21B | | | Pre | ep Method: | SW5035A | |
| Tech: | MAB | | | | % | Moisture: | | |
| Analyst: | MAB | | Date Prep: | 04.23.2020 16:00 | Ba | sis: | Wet Weight | |
| Seq Number: | 3124024 | | | | | | | |
| Parameter | | Cas Number | Result RI | | Units | Analysis Dat | neli a | Dil |

| Parameter | Cas Number | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| Toluene | 108-88-3 | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00395 | 0.00395 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| Total BTEX | | < 0.00198 | 0.00198 | | mg/kg | 04.23.2020 20:24 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 96 | % | 70-130 | 04.23.2020 20:24 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 107 | % | 70-130 | 04.23.2020 20:24 | | |



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS02 Lab Sample Id: 659667-002 | | Matrix: Date C | Soil Soil Soil | 3.2020 10:05 | | Date Received:04.23 Sample Depth: 0 - 0. | | :36 |
|--|------------|-------------------|----------------|--------------|--------|---|----------------|-----|
| Analytical Method: Chloride by EF | PA 300 | | | | | Prep Method: E300 |)P | |
| Tech: MAB | | | | | | % Moisture: | | |
| Analyst: MAB | | Date Pr | rep: 04.23 | 3.2020 15:00 | | Basis: Wet | Weight | |
| Seq Number: 3124031 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 15800 | 499 | | mg/kg | 04.23.2020 16:31 | | 50 |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3124046 | 15 Mod | Date Pr | rep: 04.2. | 3.2020 17:00 | | Prep Method: SW8 % Moisture: Basis: Wet | 015P Weight | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:24 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 317 | 50.1 | | mg/kg | 04.23.2020 22:24 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | 74.1 | 50.1 | | mg/kg | 04.23.2020 22:24 | | 1 |
| Total GRO-DRO | PHC628 | 317 | 50.1 | | mg/kg | 04.23.2020 22:24 | | 1 |
| Total TPH | PHC635 | 391 | 50.1 | | mg/kg | 04.23.2020 22:24 | | 1 |
| Surrogate | С | as Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| ~ | | | | | | | | |
| 1-Chlorooctane | 1 | 11-85-3 | 116 | % | 70-135 | 04.23.2020 22:24 | | |

Received by OCD: 12/22/2020 11:04:56 AM



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS02 Lab Sample Id: 659667-002 | | Matrix: Date Collected | Soil 1: 04.23.2020 10:05 | Date Receive Sample Dept | ed:04.23.2020 13:3 h: 0 - 0.3 ft | 36 |
|---|------------|---------------------------|-----------------------------|-----------------------------|-------------------------------------|-------------|
| Analytical Method: BTEX by I Tech: MAB | EPA 8021B | | | Prep Method % Moisture: | : SW5035A | |
| Analyst: MAB Seq Number: 3124024 | | Date Prep: | 04.23.2020 16:00 | Basis: | Wet Weight | |
| Doromotor | Cos Number | Dogult DI | • •• | (| | D '' |

| Parameter | Cas Number | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00399 | 0.00399 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 21:25 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 92 | % | 70-130 | 04.23.2020 21:25 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 108 | % | 70-130 | 04.23.2020 21:25 | | |



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | SS03 | | Matrix: | Soil | | Date Received: | 04.23.2020 13 | :36 |
|---------------|------------------------|------------|----------|-------------------------|-------|----------------|---------------|-----|
| Lab Sample I | d: 659667-003 | | Date Col | llected: 04.23.2020 10: | 07 | Sample Depth: | 0 - 0.3 ft | |
| Analytical Me | ethod: Chloride by EPA | . 300 | | | | Prep Method: | E300P | |
| Tech: | MAB | | | | | % Moisture: | | |
| Analyst: | MAB | | Date Pre | p: 04.23.2020 15: | 00 | Basis: | Wet Weight | |
| Seq Number: | 3124031 | | | | | | | |
| Parameter | | Cas Number | Result | RL | Units | Analysis Dat | ie Flag | Dil |
| Chloride | | 16887-00-6 | 11800 | 501 | mg/kg | 04.23.2020 16: | 36 | 50 |
| | | | | | | | | |
| | | | | | | | | |

| Analytical Method: TPH by SW801 | 15 Mod | | | | | Prep Method: S | W8015P | |
|------------------------------------|------------|------------|------------|---------------|--------|------------------|------------|-----|
| Tech: DTH | | | | | | % Moisture: | | |
| Analyst: DTH | | Date P | rep: 04.2 | 23.2020 17:00 | | Basis: W | Vet Weight | |
| Seq Number: 3124046 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:44 | 4 U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:44 | 4 U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:44 | 4 U | 1 |
| Total GRO-DRO | PHC628 | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:44 | 4 U | 1 |
| Total TPH | PHC635 | <50.1 | 50.1 | | mg/kg | 04.23.2020 22:44 | 4 U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Da | te Flag | |
| 1-Chlorooctane | | 111-85-3 | 114 | % | 70-135 | 04.23.2020 22 | :44 | |
| o-Terphenyl | | 84-15-1 | 125 | % | 70-135 | 04.23.2020 22 | :44 | |

Received by OCD: 12/22/2020 11:04:56 AM



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: Lab Sample I | SS03 d: 659667-003 | | Matrix: Date Collected | Soil l: 04.23.2020 10:07 | Date Receive Sample Dept | d:04.23.2020 13:36 n: 0 - 0.3 ft | 5 |
|----------------------------|------------------------------|------------|---------------------------|-----------------------------|-----------------------------|-------------------------------------|-----|
| Analytical Me Tech: | ethod: BTEX by EPA 80 MAB | 21B | | | Prep Method % Moisture: | SW5035A | |
| Analyst: Seq Number: | MAB 3124024 | | Date Prep: | 04.23.2020 16:00 | Basis: | Wet Weight | |
| Denometer | | Coc Number | Dogult DI | | 14. A 1 1 T | | ויח |

| Parameter | Cas Number | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| Toluene | 108-88-3 | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00398 | 0.00398 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| Total BTEX | | < 0.00199 | 0.00199 | | mg/kg | 04.23.2020 21:45 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 97 | % | 70-130 | 04.23.2020 21:45 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 107 | % | 70-130 | 04.23.2020 21:45 | | |



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS04 Lab Sample Id: 659667-004 | | Matrix: Date Collec | Soil eted: 04.23.2020 10:10 | | Date Received:04.2 Sample Depth: 0 - | | 3:36 |
|---|----------------------|------------------------|--------------------------------|----------------|---|-------------------|------------|
| Analytical Method: Chloride by EF | PA 300 | | | | Prep Method: E30 | 00P | |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 04.23.2020 15:00 | | Basis: We | t Weight | |
| Seq Number: 3124031 | | - | | | | | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 11900 | 504 | mg/kg | 04.23.2020 16:42 | | 50 |
| | | | | | | | |
| Analytical Method: TPH by SW80 | 15 Mod | | | | Prep Method: SW | 8015P | |
| Analytical Method: TPH by SW80 Tech: DTH | 15 Mod | | | | Prep Method: SW % Moisture: | 8015P | |
| Tech: DTH | 15 Mod | Date Pren: | 04.23.2020 17:00 | | % Moisture: | | |
| Tech: DTH | 15 Mod | Date Prep: | 04.23.2020 17:00 | | % Moisture: | 8015P t Weight | |
| Tech: DTH Analyst: DTH | 15 Mod Cas Number | | 04.23.2020 17:00 RL | Units | % Moisture: | | Dil |
| Tech: DTH Analyst: DTH Seq Number: 3124187 | | | | Units mg/kg | % Moisture: Basis: We | t Weight | Dil |
| Tech: DTH Analyst: DTH Seq Number: 3124187 Parameter | Cas Number | Result | RL | | % Moisture: Basis: We Analysis Date | t Weight Flag | |

| Total GRO-DRO | PHC628 | <50.2 | 2 50.2 | | mg/kg | 04.24.2020 17:27 | U | 1 |
|----------------|--------|------------|------------|-------|--------|------------------|------|---|
| Total TPH | PHC635 | <50.2 | 2 50.2 | | mg/kg | 04.24.2020 17:27 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | | 111-85-3 | 96 | % | 70-135 | 04.24.2020 17:27 | | |
| o-Terphenyl | | 84-15-1 | 105 | % | 70-135 | 04.24.2020 17:27 | | |
| | | | | | | | | |

Received by OCD: 12/22/2020 11:04:56 AM



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | SS04 | | Matrix: | Soil | Date Receive | d:04.23.2020 13:36 | 5 |
|---------------|------------------------|------------|----------------|--------------------|--------------|--|----|
| Lab Sample Io | d: 659667-004 | | Date Collected | 1:04.23.2020 10:10 | Sample Deptl | h: 0 - 0.3 ft | |
| Analytical Me | ethod: BTEX by EPA 802 | 21B | | | Prep Method: | SW5035A | |
| Tech: | MAB | | | | % Moisture: | | |
| Analyst: | MAB | | Date Prep: | 04.23.2020 16:00 | Basis: | Wet Weight | |
| Seq Number: | 3124024 | | | | | | |
| Donomotor | | Cas Number | Docult DI | ¥T | :4- A | The state of the s | Ъя |

| Parameter | Cas Numbe | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00399 | 0.00399 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:06 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 108 | % | 70-130 | 04.23.2020 22:06 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 98 | % | 70-130 | 04.23.2020 22:06 | | |



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS05 Lab Sample Id: 659667-005 | | Matrix: Date Co | Soil Ilected: 04.23 | .2020 10:14 | | Date Received:04.23 Sample Depth: 0 - 0. | | 36 |
|--|---|--|--|--------------|---|--|------------------|------------------|
| Analytical Method: Chloride by EF | PA 300 | | | | | Prep Method: E300 |)P | |
| Tech: MAB | | | | | | % Moisture: | | |
| Analyst: MAB | | Date Pro | ep: 04.23 | .2020 15:00 | | Basis: Wet | Weight | |
| Seq Number: 3124031 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 13600 | 501 | | mg/kg | 04.23.2020 16:47 | | 50 |
| Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3124187 | 15 Mod | Date Pro | ep: 04.23 | 2.2020 17:00 | | Prep Method: SW8 % Moisture: Basis: Wet | 015P Weight | |
| | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Parameter Gasoline Range Hydrocarbons (GRO) | Cas Number PHC610 | Result | RL 50.2 | | Units mg/kg | Analysis Date 04.24.2020 17:47 | Flag U | Dil |
| | | | | | | - | - | |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | | mg/kg | 04.24.2020 17:47 | - | 1 |
| Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) | PHC610 C10C28DRO | <50.2 64.0 | 50.2 50.2 | | mg/kg mg/kg | 04.24.2020 17:47 04.24.2020 17:47 | U | 1 |
| Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) | PHC610 C10C28DRO PHCG2835 | <50.2 64.0 <50.2 | 50.2 50.2 50.2 | | mg/kg mg/kg mg/kg | 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 | U | 1 1 1 |
| Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO | PHC610 C10C28DRO PHCG2835 PHC628 PHC635 | <50.2 64.0 <50.2 64.0 64.0 | 50.2 50.2 50.2 50.2 50.2 | Units | mg/kg mg/kg mg/kg mg/kg | 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 | U | 1 1 1 1 |
| Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH | PHC610 C10C28DRO PHCG2835 PHC628 PHC635 | <50.2 64.0 <50.2 64.0 64.0 | 50.2 50.2 50.2 50.2 50.2 50.2 | Units % | mg/kg mg/kg mg/kg mg/kg mg/kg | 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 04.24.2020 17:47 Analysis Date | U | 1 1 1 1 |



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Certificate of Analytical Results 659667

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: SS05 | | Matrix: | Soil | Date Receive | ed:04.23.2020 13 | :36 |
|------------------------------|------------|----------------|--------------------|------------------|------------------|-----|
| Lab Sample Id: 659667-005 | | Date Collected | 1:04.23.2020 10:14 | Sample Dept | h: 0 - 0.3 ft | |
| Analytical Method: BTEX by E | EPA 8021B | | | Prep Method | : SW5035A | |
| Tech: MAB | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 04.23.2020 16:00 | Basis: | Wet Weight | |
| Seq Number: 3124024 | | | | | | |
| Parameter | Cas Number | Recult DI | т | inita Analysia I | lata Elag | D:I |

| Parameter | Cas Number | r Kesult | KL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00401 | 0.00401 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 04.23.2020 22:26 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 108 | % | 70-130 | 04.23.2020 22:26 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 91 | % | 70-130 | 04.23.2020 22:26 | | |

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- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- **F** RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

| BRL Below Reporting Limit. | ND Not Detected | | | |
|-----------------------------------|----------------------|------------------|----------------------------|---------------------------------|
| RL Reporting Limit | | | | |
| MDL Method Detection Limit | SDL Sample De | tection Limit | LOD Limit of Detection | |
| PQL Practical Quantitation Limit | MQL Method Qu | antitation Limit | LOQ Limit of Quantitation | n |
| DL Method Detection Limit | | | | |
| NC Non-Calculable | | | | |
| SMP Client Sample | | BLK | Method Blank | |
| BKS/LCS Blank Spike/Laboratory | Control Sample | BKSD/LCSD | Blank Spike Duplicate/Labo | ratory Control Sample Duplicate |
| MD/SD Method Duplicate/Samp | ble Duplicate | MS | Matrix Spike | MSD: Matrix Spike Duplicate |
| + NELAC certification not offered | l for this compound. | | | |

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



LT Environmental, Inc. PLU 20 BD 102H

| | | | | | P | LU 20 BI |) 102H | | | | | | |
|--|------------------------------|-----------------|-----------------|---------------|-----------------------|------------------------|--------------|-------------|--------------|-----------------------|----------|--------------------------------------|------|
| Analytical Method: Seq Number: | 3124031 | | 0 | | Matrix: | | DUG | | | rep Metho Date Pre | ep: 04.2 | 23.2020 | |
| MB Sample Id: | 7701931-1-BL | | | | - | 7701931- | | | | - | | 1931-1-BSD | |
| Parameter | F | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Chloride | | <10.0 | 250 | 254 | 102 | 256 | 102 | 90-110 | 1 | 20 | mg/kg | 04.23.2020 15:19 | |
| | | | | | | | | | | | | | |
| Analytical Method: Seq Number: | Chloride by H 3124031 | EPA 30 | 00 | | Matrix: | Soil | | | Pı | rep Metho Date Pre | | 0P 23.2020 | |
| Parent Sample Id: | 659618-001 | | | MS Sar | nple Id: | 659618-0 | 01 S | | MS | D Sample | Id: 659 | 618-001 SD | |
| Parameter | | arent Result | Spike Amount | MS Result | MS %Rec | MSD Basselt | MSD | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Chloride | | 14100 | 250 | 14400 | 7 6 Kec 120 | Result 14400 | %Rec 120 | 90-110 | 0 | 20 | mg/kg | 04.23.2020 15:41 | Х |
| | | | | | | | | | | | | | |
| Analytical Method: | | EPA 30 | 00 | | | a 1 | | | Pı | rep Metho | | | |
| Seq Number: Parent Sample Id: | 3124031 659681-001 | | | | Matrix: | Soil 659681-0 | 01 S | | MS | Date Pre D Sample | - | 23.2020 681-001 SD | |
| - | | arent | Spike | MS | MS | MSD | MSD | Limits | %RPD | RPD | Units | Analysis | |
| Parameter | | Result | Amount | Result | %Rec | Result | %Rec | | | Limit | | Date | Flag |
| Chloride | | 287 | 200 | 469 | 91 | 469 | 91 | 90-110 | 0 | 20 | mg/kg | 04.23.2020 16:58 | |
| | | | | | | | | | | | | | |
| Analytical Method: | TPH by SW8 | 015 M | od | | | | | | Pı | rep Metho | od: SW | 8015P | |
| Seq Number: | 3124046 | | | | Matrix: | | | | | Date Pre | - | .3.2020 | |
| MB Sample Id: | 7701997-1-BL | LK | | | nple Id: | 7701997- | 1-BKS | | LCS | - | | 1997-1-BSD | |
| Parameter | F | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Gasoline Range Hydrocarbo | ons (GRO) | <50.0 | 1000 | 838 | 84 | 889 | 89 | 70-135 | 6 | 35 | mg/kg | 04.23.2020 19:20 | |
| Diesel Range Organics | (DRO) | <50.0 | 1000 | 925 | 93 | 978 | 98 | 70-135 | 6 | 35 | mg/kg | 04.23.2020 19:20 | |
| Surrogate | | MB %Rec | MB Flag | | CS Rec | LCS Flag | LCSI %Ree | | | imits | Units | Analysis Date | |
| 1-Chlorooctane | | 99 108 | | | 07 | | 131 | | | -135 | % | 04.23.2020 19:20 04.23.2020 19:20 | |
| o-Terphenyl | | 108 | | 1 | 06 | | 118 | | 70 | -135 | % | 04.25.2020 19.20 | |
| Analytical Method: Seq Number: | TPH by SW8 3124187 | 015 M | od | | Matrix: | Solid | | | Pı | rep Metho Date Pre | | 8015P 23.2020 | |
| MB Sample Id: | 7701983-1-BL | .K | | | | 7701983- | 1-BKS | | LCS | | - | 1983-1-BSD | |
| Parameter | F | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Gasoline Range Hydrocarb | | <50.0 | 1000 | 876 | 88 | 723 | 72 | 70-135 | 19 | 35 | mg/kg | 04.24.2020 20:30 | |
| Diesel Range Organics | (DRO) | <50.0 | 1000 | 985 | 99 | 785 | 79 | 70-135 | 23 | 35 | mg/kg | 04.24.2020 20:30 | |
| Surrogate | | MB %Rec | MB Flag | % | CS Rec | LCS Flag | LCSI %Ree | | g | imits | Units | Analysis Date | |
| 1-Chlorooctane o-Terphenyl | | 108 120 | | | 16 17 | | 94 93 | | | -135 -135 | % % | 04.24.2020 20:30 04.24.2020 20:30 | |
| 0-resplicityi | | 120 | | 1 | 1/ | | 73 | | 70 | 155 | 70 | | |
| MS/MSD Percent Recover | ry [D] = | 100*(C- | -A) / B | | | | L | CS = Labora | atory Contro | ol Sample | MS = N | Matrix Spike | |

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

•

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

.

Final 1.000



QC Summary 659667

Flag

Flag

Analysis

Date 04.24.2020 14:03

Units

mg/kg

LT Environmental, Inc. PLU 20 BD 102H

| Analytical Method: Seq Number: | TPH by SW8015 Mod 3124046 | Matrix: | Solid 7701997-1-BLK | Prep Method: Date Prep: | SW8015P 04.23.2020 |
|-----------------------------------|----------------------------------|-------------------------------|------------------------|----------------------------|-----------------------|
| Parameter | | MB Sample Id: MB Result | //0199/-1- DLK | Ur | nits Analysis Date |
| Motor Oil Range Hydrocar | bons (MRO) | <50.0 | | mg | kg 04.23.2020 18:59 |
| Analytical Method: | TPH by SW8015 Mod | | | Prep Method: | SW8015P |
| Seq Number: | 3124187 | Matrix: | Solid | Date Prep: | 04.23.2020 |

MB Sample Id: 7701983-1-BLK

MB

Result

< 50.0

Motor Oil Range Hydrocarbons (MRO)

| Analytical Method:TPH ISeq Number:31240Parent Sample Id:65961 | | od | | Matrix: nple Id: | Soil 659618-00 |)2 S | | | rep Meth Date Pr D Sample | ep: 04.2 | 8015P 23.2020 618-002 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 | 1000 | 813 | 81 | 1050 | 105 | 70-135 | 25 | 35 | mg/kg | 04.23.2020 20:21 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 879 | 88 | 1200 | 120 | 70-135 | 31 | 35 | mg/kg | 04.23.2020 20:21 | |
| Surrogate | | | | IS Rec | MS Flag | MSE %Re | | _ | imits | Units | Analysis Date | |
| 1-Chlorooctane | | | 1 | 22 | | 134 | Ļ | 70 |)-135 | % | 04.23.2020 20:21 | |
| o-Terphenyl | | | 1 | 10 | | 125 | i | 70 |)-135 | % | 04.23.2020 20:21 | |

| Analytical Method: Seq Number: Parent Sample Id: | TPH by SV 3124187 659618-00 | | od | | Matrix: nple Id: | Soil 659618-00 |)1 S | | | ep Metho Date Pr D Sample | ep: 04.2 | 8015P 23.2020 618-001 SD | |
|---|--|------------------|-----------------|--------------|---------------------|-------------------|-------------|--------|------|---------------------------------|----------|--------------------------------|------|
| Parameter | | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Gasoline Range Hydrocarbo | ons (GRO) | < 50.1 | 1000 | 985 | 99 | 810 | 81 | 70-135 | 19 | 35 | mg/kg | 04.24.2020 20:50 | |
| Diesel Range Organics (| (DRO) | < 50.1 | 1000 | 1110 | 111 | 871 | 87 | 70-135 | 24 | 35 | mg/kg | 04.24.2020 20:50 | |
| Surrogate | | | | | 1S Rec | MS Flag | MSD %Ree | | | mits | Units | Analysis Date | |
| 1-Chlorooctane | | | | 1 | 24 | | 113 | | 70 | -135 | % | 04.24.2020 20:50 | |
| o-Terphenyl | | | | 1 | 22 | | 97 | | 70 | -135 | % | 04.24.2020 20:50 | |

[D] = 100*(C-A) / B LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

.

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Final 1.000



Flag

LT Environmental, Inc. PLU 20 BD 102H

| Analytical Method: | BTEX by EPA 8021 | В | | | | | | Pi | rep Meth | od: SW | 5035A |
|----------------------|------------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-----------|------------------|
| Seq Number: | 3124024 | |] | Matrix: | Solid | | | | Date Pr | ep: 04.2 | 23.2020 |
| MB Sample Id: | 7701922-1-BLK | | LCS San | nple Id: | 7701922-2 | 1-BKS | | LCS | D Sample | e Id: 770 | 1922-1-BSD |
| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date |
| Benzene | < 0.00200 | 0.100 | 0.106 | 106 | 0.110 | 110 | 70-130 | 4 | 35 | mg/kg | 04.23.2020 15:38 |
| Toluene | < 0.00200 | 0.100 | 0.101 | 101 | 0.105 | 105 | 70-130 | 4 | 35 | mg/kg | 04.23.2020 15:38 |
| Ethylbenzene | < 0.00200 | 0.100 | 0.0949 | 95 | 0.0980 | 98 | 71-129 | 3 | 35 | mg/kg | 04.23.2020 15:38 |
| m,p-Xylenes | < 0.00400 | 0.200 | 0.197 | 99 | 0.203 | 102 | 70-135 | 3 | 35 | mg/kg | 04.23.2020 15:38 |
| o-Xylene | < 0.00200 | 0.100 | 0.0996 | 100 | 0.102 | 102 | 71-133 | 2 | 35 | mg/kg | 04.23.2020 15:38 |
| Surrogate | MB %Rec | MB Flag | | CS Rec | LCS Flag | LCSI %Re | | | imits | Units | Analysis Date |
| 1,4-Difluorobenzene | 108 | | 1 | 03 | | 106 | | 70 | -130 | % | 04.23.2020 15:38 |
| 4-Bromofluorobenzene | 98 | | ç | 93 | | 93 | | 70 | -130 | % | 04.23.2020 15:38 |

| Analytical Method: Seq Number: Parent Sample Id: | BTEX by EPA 8021 3124024 659586-001 | B | | Matrix: nple Id: | Soil 659586-00 |)1 S | | | rep Methe Date Pr D Sample | ep: 04.2 | 5035A 23.2020 586-001 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 | 0.117 | 117 | 0.114 | 114 | 70-130 | 3 | 35 | mg/kg | 04.23.2020 16:19 | |
| Toluene | < 0.00200 | 0.100 | 0.110 | 110 | 0.109 | 109 | 70-130 | 1 | 35 | mg/kg | 04.23.2020 16:19 | |
| Ethylbenzene | < 0.00200 | 0.100 | 0.105 | 105 | 0.102 | 102 | 71-129 | 3 | 35 | mg/kg | 04.23.2020 16:19 | |
| m,p-Xylenes | < 0.00401 | 0.200 | 0.216 | 108 | 0.210 | 105 | 70-135 | 3 | 35 | mg/kg | 04.23.2020 16:19 | |
| o-Xylene | < 0.00200 | 0.100 | 0.108 | 108 | 0.105 | 105 | 71-133 | 3 | 35 | mg/kg | 04.23.2020 16:19 | |
| Surrogate | | | | 1S Rec | MS Flag | MSD %Re | | | imits | Units | Analysis Date | |
| 1,4-Difluorobenzene | | | 1 | 03 | | 104 | | 70 |)-130 | % | 04.23.2020 16:19 | |
| 4-Bromofluorobenzene | | | 9 | 93 | | 94 | | 70 |)-130 | % | 04.23.2020 16:19 | |

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

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[D] = 100*(C-A) / B LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

| \$ | | | | Chain of Custody | custody | | Work Order No: | (0) TLOUT |
|--|--|--|---|--|--|---|------------------------------------|---|
| | MZCO | | Houston, TX (281) 240 Midland, TX (432-704 | -4200 Dallas,TX (214) 902 -5440) EL Paso,TX (915)5 | 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)/94-1296 | * | | - |
| | | Hobbs, NM | (575-392-7550) Phoer | ix,AZ (480-355-0900) Atla | Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) | | www.xenco.com Page_ | ge of |
| Project Manager: Dan Moir | Oir | | Bill to: (if different) | rent) Kyle Littrell | | | Si l | Its |
| 1 | LT Environmental, Inc., I | Permian office | Company Name: | N. | | Program: UST/PST | RP Trownfields | |
| | | - | Address: | | 1 St | | | |
| City, State ZIP: Midland | Midland, TX 79705 | | City, State ZIP: | | 8220 | Reporting:Level II | Level IIIFT/UST [| RP (bvel IV |
| Phone: (432) 2: | (432) 236-3849 | | Email: Jhill@ltenv. | Jhill@ltenv.com, dmoir@ltenv.com | | 100 | ADaPT | Other: |
| Name: PLV | 20 613 102 | F | Turn Around | | ANALYSIS REOLIEST | IFST | | Work Order Notes |
| ä | 6 90986610 | | Routine N | | | | - | |
| 3/30 | 120 50.11 | det | | | | | | |
| Sampler's Name: | Jeremy Hill | = | Due Date: | | | | | |
| SAMPLE RECEIPT | Temp Blank: | les No | Wet Ice: Yes No | | | | | |
| Temperature (°C): | 1.2 | | ō [| ners | | | | |
| Received Intact: | (Yes) No | T'Z | 400-M | 21) | | | | |
| Cooler Custody Seals: \ | Yes (No) NIA | Correction Factor: | actor: ~ 0.2 | 15) =80: | - 50 | | | |
| Sample Custody Seals: | Yes No NA | Total Containers: | ainers: 5 | PA 80 | | | lab, | lab, if received by 4:30pm |
| Sample Identification | Matrix | Date Time Sampled Sampled | ne Depth pled | Numbe TPH (EF BTEX (E | | | Sa | Sample Comments |
| 5501 | S | 15 4/23/20 160 J | a 0.03 | X | X | | 2 | divinte |
| 5502 | - | 1 1605 | 5 | | | | 5 | 1 1 |
| 503 | | 1007 | Ċ | - | | | | |
| SSUM | | 1010 | 0 | | | | | |
| 5385 | 0 | 1014 | ¥ I | × + + + | 7 | | | 5 |
| | / | | | | | | | × |
| | | | | | | | | |
| | | 1 | | | | | | |
| | | | | | | | | |
| Total 200.7 / 6010 Circle Method(s) and | 200.8 / 6020: Metal(s) to be analy | 00 | RCRA 13PPM Texas 11 A | 11 AI Sb As Ba Be CRA Sb As Ba Be | B Cd Ca Cr Co Cu Fe Pb Mg Mn Cd Cr Co Cu Pb Mn Mo Ni Se Ag | Mo Ni K | Se Ag SiO2 Na Sr TI 1631 / 245. | Na Sr Ti Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Ho |
| 12/22/ vtice: Signature of this document ar service. Xenco will be liable only fi Xenco. A minimum charge of \$75.0 | nd relinquishment of sa or the cost of samples 00 will be applied to eac | mples constitutes a and shall not assume th project and a char | valid purchase order fro any responsibility for a ge of \$5 for each sample | m client company to Xenco, i ny losses or expenses incun submitted to Xenco, but not | rtice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | ns standard terms and conditio circumstances beyond the cou unless previously negotiated. | - | |
| | ıre) | Received by: (Si | (Signature) | Date/Time | Relinquished by: (Signature) | ure) Received | Received by: (Signature) | Date/Time |
| Dhi | CL | N | 5 | NES 102 1201 4 | N | | | |
| 1 | | | 1 | | 4 | | | |

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

| Client: LT Environmental, Inc. | Acceptable Temperature R | ange: 0 - 6 degC |
|---|---------------------------|--------------------------------------|
| Date/ Time Received: 04.23.2020 01.36.00 PM | Air and Metal samples Acc | ceptable Range: Ambient |
| Work Order #: 659667 | Temperature Measuring de | evice used : T-NM-007 |
| Sample Recei | pt Checklist | Comments |
| #1 *Temperature of cooler(s)? | 1.2 | |
| #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 | Samples received in bulk containers. |
| #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: Date: 04.23.2020 Elizabeth McClellan

Checklist reviewed by: Jessica Kramer

Date: 04.27.2020

🔅 eurofins Environment Testing Xenco

Certificate of Analysis Summary 668056

LT Environmental, Inc., Arvada, CO

Project Name: PLU 20 BD 102H

Page 71 of 106

Project Id: 012920062 Dan Moir **Contact:** Eddy County **Project Location:**

Date Received in Lab: Thu 07.23.2020 14:07 **Report Date:** 09.10.2020 12:47

Project Manager: Jessica Kramer

| Lab Id: Analysis Progressed Field Id: | | 668056-001 | | 668056-002 | | 668056-003 | | 668056-004 | | 668056-005 | | 668056-006 | |
|--|------------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | | PH07 | | PH04 | | PH05 | | PH08 | | PH06 | | PH01 | |
| Analysis Requested | Depth: | 1- ft | | 2- ft | | 2- ft | | 2- ft | | 2- ft | | 1- ft | |
| | Matrix: | SOIL | |
| | Sampled: | 07.23.2020 09:54 | | 07.23.2020 10:10 | | 07.23.2020 10:22 | | 07.23.2020 10:31 | | 07.23.2020 10:45 | | 07.23.2020 10:50 | |
| BTEX by EPA 8021B | Extracted: | 07.23.2020 16:44 | | 07.23.2020 16:44 | | 07.23.2020 16:44 | | 07.23.2020 16:44 | | 07.23.2020 16:44 | | 07.23.2020 16:44 | |
| | Analyzed: | 07.24.2020 16:10 | | 07.24.2020 16:32 | | 07.24.2020 16:55 | | 07.24.2020 17:17 | | 07.24.2020 17:40 | | 07.24.2020 13:17 | |
| | Units/RL: | mg/kg | RL |
| Benzene | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| Toluene | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | <0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| Ethylbenzene | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | <0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| m,p-Xylenes | | < 0.00401 | 0.00401 | < 0.00399 | 0.00399 | < 0.00402 | 0.00402 | < 0.00403 | 0.00403 | < 0.00400 | 0.00400 | < 0.00401 | 0.00401 |
| o-Xylene | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | <0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| Total Xylenes | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | <0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| Total BTEX | | < 0.00200 | 0.00200 | < 0.00200 | 0.00200 | < 0.00201 | 0.00201 | < 0.00202 | 0.00202 | <0.00200 | 0.00200 | < 0.00200 | 0.00200 |
| Chloride by EPA 300 | Extracted: | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | |
| | Analyzed: | 07.23.2020 23:02 | | 07.23.2020 23:19 | | 07.23.2020 23:24 | | 07.23.2020 23:30 | | 07.23.2020 23:35 | | 07.23.2020 23:52 | |
| | Units/RL: | mg/kg | RL |
| Chloride | | 78.3 | 10.0 | 23.9 | 9.90 | 18.0 | 10.0 | 484 | 10.0 | 2350 | 50.3 | 348 | 49.9 |
| TPH by SW8015 Mod | Extracted: | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | |
| | Analyzed: | 07.24.2020 02:00 | | 07.24.2020 02:21 | | 07.24.2020 03:01 | | 07.24.2020 03:21 | | 07.24.2020 03:41 | | 07.24.2020 04:02 | |
| | Units/RL: | mg/kg | RL |
| Gasoline Range Hydrocarbons (GRO) | | <49.9 | 49.9 | <50.2 | 50.2 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | <49.8 | 49.8 |
| Diesel Range Organics (DRO) | | <49.9 | 49.9 | <50.2 | 50.2 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | <49.8 | 49.8 |
| Motor Oil Range Hydrocarbons (MRO) | | <49.9 | 49.9 | <50.2 | 50.2 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | <49.8 | 49.8 |
| Total GRO-DRO | | <49.9 49.9 | | <50.2 | 50.2 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | <49.8 | 49.8 |
| Total TPH | | <49.9 | 49.9 | <50.2 | 50.2 | <50.1 | 50.1 | <50.2 | 50.2 | <50.2 | 50.2 | <49.8 | 49.8 |

BRL - Below Reporting Limit

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

Jession Vramer

Final 1.001

Project Id:

Project Location:

Contact:

eurofins Environment Testing Xenco

012920062

Dan Moir

Eddy County

Certificate of Analysis Summary 668056

LT Environmental, Inc., Arvada, CO

Project Name: PLU 20 BD 102H

 Date Received in Lab:
 Thu 07.23.2020 14:07

 Report Date:
 09.10.2020 12:47

Project Manager: Jessica Kramer

| | Lab Id: | 668056-007 | | 668056-0 | 08 | 668056-009 | | 668056-010 | | 668056-011 | | |
|------------------------------------|--------------------------------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|------------------|---------|--|
| Analysis Requested Field | | PH01A | | PH02 | | PH02A | | PH03 | | PH03A | | |
| Analysis Requested | Depth: | 2- ft | | 1- ft | | 2- ft | | 1- ft | | 2- ft | | |
| | Matrix: | SOIL | | |
| | Sampled: | 07.23.2020 10:53 | | 07.23.2020 | 11:00 | 07.23.2020 11:03 | | 07.23.2020 11:11 | | 07.23.2020 | 11:15 | |
| BTEX by EPA 8021B | Extracted: | 07.23.2020 16:44 | | 07.23.2020 | 16:44 | 07.23.2020 16:44 | | 07.23.2020 16:44 | | 07.24.2020 09:35 | | |
| | Analyzed: | 07.24.2020 13:40 | | 07.24.2020 | 14:02 | 07.24.2020 14:25 | | 07.24.2020 14:47 | | 07.24.2020 14:23 | | |
| | Units/RL: | mg/kg | RL | |
| Benzene | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| Toluene | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| Ethylbenzene | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| m,p-Xylenes | | < 0.00403 | 0.00403 | < 0.00399 | 0.00399 | < 0.00398 | 0.00398 | < 0.00402 | 0.00402 | < 0.00400 | 0.00400 | |
| o-Xylene | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| Total Xylenes | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| Total BTEX | | < 0.00202 | 0.00202 | < 0.00200 | 0.00200 | < 0.00199 | 0.00199 | < 0.00201 | 0.00201 | < 0.00200 | 0.00200 | |
| Chloride by EPA 300 | Extracted: | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.23.2020 16:37 | | 07.24.2020 12:28 | | |
| | Analyzed: | 07.23.2020 23:58 | | 07.24.2020 00:03 | | 07.24.2020 00:09 | | 07.24.2020 00:14 | | 07.24.2020 14:20 | | |
| | Units/RL: | mg/kg | RL | |
| Chloride | | 130 | 49.9 | 3110 | 49.6 | 41.9 | 10.1 | 734 | 50.1 | 108 | 10.1 | |
| TPH by SW8015 Mod | Extracted: | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | 07.23.2020 17:10 | | |
| | Analyzed: | 07.24.2020 04:22 | | 07.24.2020 04:43 | | 07.24.2020 05:04 | | 07.24.2020 05:24 | | 07.24.2020 05:44 | | |
| | Units/RL: | mg/kg | RL | |
| Gasoline Range Hydrocarbons (GRO) | | <50.2 | 50.2 | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.1 | 50.1 | |
| Diesel Range Organics (DRO) | ange Organics (DRO) <50.2 50.2 | | 50.2 | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.1 | 50.1 | |
| Motor Oil Range Hydrocarbons (MRO) | <50.2 50.2 | | 50.2 | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.1 | 50.1 | |
| Total GRO-DRO | DRO <50.2 50.2 | | 50.2 | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.1 | 50.1 | |
| Total TPH | | <50.2 | 50.2 | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.1 | 50.1 | |

BRL - Below Reporting Limit

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

Jession Vramer

Final 1.001
Received by OCD: 12/22/2020 11304756/AM

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Analytical Report 668056

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for

LT Environmental, Inc.

Project Manager: Dan Moir

PLU 20 BD 102H

012920062

09.10.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483) Received by OCD: 12/22/2020 11304756/AM

09.10.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 668056 PLU 20 BD 102H 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 Eurofins Xenco, LLC Report Number(s) 668056. 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 Eurofins Xenco, LLC. 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. 668056 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jession Vermer

Jessica Kramer Project Manager

A Small Business and Minority Company

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

Received by OCD: 12/22/2020/11304756/AM



.

Sample Cross Reference 668056

LT Environmental, Inc., Arvada, CO

PLU 20 BD 102H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| PH07 | S | 07.23.2020 09:54 | 1 ft | 668056-001 |
| PH04 | S | 07.23.2020 10:10 | 2 ft | 668056-002 |
| PH05 | S | 07.23.2020 10:22 | 2 ft | 668056-003 |
| PH08 | S | 07.23.2020 10:31 | 2 ft | 668056-004 |
| PH06 | S | 07.23.2020 10:45 | 2 ft | 668056-005 |
| PH01 | S | 07.23.2020 10:50 | 1 ft | 668056-006 |
| PH01A | S | 07.23.2020 10:53 | 2 ft | 668056-007 |
| PH02 | S | 07.23.2020 11:00 | 1 ft | 668056-008 |
| PH02A | S | 07.23.2020 11:03 | 2 ft | 668056-009 |
| PH03 | S | 07.23.2020 11:11 | 1 ft | 668056-010 |
| РН03А | S | 07.23.2020 11:15 | 2 ft | 668056-011 |

Received by OCD: 12/22/2020 11:04756/AM

Environment Testing Xenco

CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: PLU 20 BD 102H

 Project ID:
 012920062

 Work Order Number(s):
 668056

 Report Date:
 09.10.2020

 Date Received:
 07.23.2020

Sample receipt non conformances and comments:

V1.001 revision (client email) Corrected sample IDs

Sample receipt non conformances and comments per sample:

None

.

Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH07 Lab Sample Id: 668056-001 | | Matrix: Soil Date Collected: 07.23.2020 09:54 | | | Date Received:07.23.2020 1 Sample Depth: 1 ft | | |
|---|----------------------|--|---------------------------|----------------|---|---------------------------|------------|
| Analytical Method: Chloride by EF Tech: MAB Analyst: MAB | PA 300 | Date Prep: | 07.23.2020 16:37 | | Prep Method: E. % Moisture: Basis: W | 300P Vet Weight | |
| Seq Number: 3132527 | | Date Trep. | 07.23.2020 10.37 | | | et i eight | |
| Parameter | Cas Number | Result 1 | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 78.3 | 10.0 | mg/kg | 07.23.2020 23:02 | 2 | 1 |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH | 15 Mod | | | | Prep Method: SV % Moisture: | W8015P | |
| Seq Number: 3132505 | | Date Prep: | 07.23.2020 17:10 | | Basis: W | et Weight | |
| Seq Number: 3132505 Parameter | Cas Number | ľ | 07.23.2020 17:10 RL | Units | Basis: W Analysis Date | Vet Weight Flag | Dil |
| 1 | Cas Number PHC610 | ľ | | Units mg/kg | | Flag | Dil |
| Parameter | | Result I | RL | | Analysis Date | Flag | |
| Parameter Gasoline Range Hydrocarbons (GRO) | PHC610 | Result J <49.9 | RL 49.9 | mg/kg | Analysis Date 07.24.2020 02:00 | Flag) U) U | 1 |
| Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) | PHC610 C10C28DRO | Result J <49.9 <49.9 | RL 49.9 49.9 | mg/kg mg/kg | Analysis Date 07.24.2020 02:00 07.24.2020 02:00 | Flag) U) U) U | 1 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 109 | % | 70-135 | 07.24.2020 02:00 | |
| o-Terphenyl | 84-15-1 | 117 | % | 70-135 | 07.24.2020 02:00 | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH07 | | Matrix: | Soil | | Date Received | 1:07.23 | 3.2020 14: | 07 |
|-----------------------|-----------------|---------------|---------------------|-------|---------------|---------|------------|-----|
| Lab Sample Id: 668056 | -001 | Date Collecte | d: 07.23.2020 09:54 | | Sample Depth | :1 ft | | |
| Analytical Method: B7 | EX by EPA 8021B | | | | Prep Method: | SW5 | 035A | |
| Tech: MAB | | | | | % Moisture: | | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet | Weight | |
| Seq Number: 3132550 | | | | | | | | |
| Parameter | Cas Number | Result RI | | Units | Analysis D | ate | Flag | Dil |

| rarameter | Cas Nullibe | er Kesun | KL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00401 | 0.00401 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:10 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 99 | % | 70-130 | 07.24.2020 16:10 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 97 | % | 70-130 | 07.24.2020 16:10 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH04 Lab Sample Id: 668056-002 | | Matrix: Soil Date Collected: 07.23.2020 10:10 | | | Date Received:07.23.2020 Sample Depth: 2 ft | | |
|--|------------|--|------------------|-------|--|---------------------|-----|
| Analytical Method:Chloride by ETech:MABAnalyst:MABSeq Number:3132527 | PA 300 | Date Prep: | 07.23.2020 16:37 | | Prep Method: % Moisture: Basis: | E300P Wet Weight | |
| Parameter | Cas Number | Result F | RL | Units | Analysis Da | ate Flag | Dil |
| Chloride | 16887-00-6 | 23.9 | 9.90 | mg/kg | 07.23.2020 23 | 3:19 | 1 |
| Analytical Method: TPH by SW8(Tech: DTH |)15 Mod | | | | Prep Method: % Moisture: | SW8015P | |

| Parameter | Cas Numbe | r Result | RL | | Units | Analysis Date | Flag | Dil |
|------------------------------------|-----------|------------|------------|-------|--------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | | mg/kg | 07.24.2020 02:21 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | | mg/kg | 07.24.2020 02:21 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | | mg/kg | 07.24.2020 02:21 | U | 1 |
| Total GRO-DRO | PHC628 | <50.2 | 50.2 | | mg/kg | 07.24.2020 02:21 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | | mg/kg | 07.24.2020 02:21 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | | 111-85-3 | 105 | % | 70-135 | 07.24.2020 02:21 | | |
| o-Terphenyl | | 84-15-1 | 116 | % | 70-135 | 07.24.2020 02:21 | | |

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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | PH04 | | Matrix: | Soil | D | ate Received: | 07.23.2020 14 | :07 | |
|---------------------------|-----------------------|------------|---------------|---------------------|-------|--------------------|---------------|-----|--|
| Lab Sample Id: 668056-002 | | | Date Collecte | d: 07.23.2020 10:10 | S | Sample Depth: 2 ft | | | |
| Analytical Me | ethod: BTEX by EPA 80 | 21B | | | P | rep Method: | SW5035A | | |
| Tech: | MAB | | | | % | Moisture: | | | |
| Analyst: | MAB | | Date Prep: | 07.23.2020 16:44 | В | asis: | Wet Weight | | |
| Seq Number: | 3132550 | | | | | | | | |
| Parameter | | Cas Number | Result RI | | Units | Analysis Dat | e Flao | Dil | |

| Parameter | Cas Number | r Kesult | KL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00399 | 0.00399 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 16:32 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 103 | % | 70-130 | 07.24.2020 16:32 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 16:32 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH05 Lab Sample Id: 668056-003 | | Matrix: Date Collec | Soil cted: 07.23.2020 10:22 | | Date Received:07. Sample Depth: 2 ft | 1:07 | |
|---|------------|------------------------|--------------------------------|-------|---|----------|-----|
| Analytical Method: Chloride by EF | A 300 | | | | Prep Method: E30 | 00P | |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:37 | | Basis: We | t Weight | |
| Seq Number: 3132527 | | | | | | | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 18.0 | 10.0 | mg/kg | 07.23.2020 23:24 | | 1 |
| Analytical Method: TPH by SW80 | 15 Mod | | | | Prep Method: SW | 78015D | |
| Tech: DTH | 15 Widd | | | | % Moisture: | 80151 | |
| Analyst: DTH | | Data Prop | 07.23.2020 17:10 | | | t Weight | |
| Seq Number: 3132505 | | Date Prep: | 07.25.2020 17.10 | | Dasis. We | a weight | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | mg/kg | 07.24.2020 03:01 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.1 | 50.1 | mg/kg | 07.24.2020 03:01 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.1 | 50.1 | mg/kg | 07.24.2020 03:01 | U | |

| Total GRO-DRO Total TPH | PHC628 PHC635 | <50. <50. | | | mg/kg mg/kg | 07.24.2020 03:01 07.24.2020 03:01 | U U | 1 1 |
|----------------------------|------------------|--------------|------------|-------|----------------|--------------------------------------|--------|--------|
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | | 111-85-3 | 110 | % | 70-135 | 07.24.2020 03:01 | | |
| o-Terphenyl | | 84-15-1 | 118 | % | 70-135 | 07.24.2020 03:01 | | |
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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH05 | | Matrix: | Soil | | Date Received | 1:07.23.2020 | 0 14:07 | |
|---------------------------|--------------|---------------|------------------|--------------------|---------------|--------------|---------|--|
| Lab Sample Id: 668056-003 | | Date Collecte | | Sample Depth: 2 ft | | | | |
| Analytical Method: BTEX | by EPA 8021B | | | | Prep Method: | SW5035A | L | |
| Tech: MAB | | | | | % Moisture: | | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet Weig | ,ht | |
| Seq Number: 3132550 | | | | | | | | |
| Parameter | Cas Number | Result RI | | Units | Analysis D | ate Flag | 9 Dil | |

| Parameter | Cas Number | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| Toluene | 108-88-3 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00402 | 0.00402 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| Total BTEX | | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 16:55 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 101 | % | 70-130 | 07.24.2020 16:55 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 105 | % | 70-130 | 07.24.2020 16:55 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH08 Lab Sample Id: 668056-004 | | Matrix: Date C | : Soil ollected: 07.2 | 3.2020 10:31 | | Date Received:07.2 Sample Depth: 2 ft | 3.2020 14 | :07 |
|--|------------|-------------------|--------------------------|--------------|--------|---|-----------------|-----|
| Analytical Method: Chloride by EP | A 300 | | | | | Prep Method: E30 | OP | |
| Tech: MAB | | | | | | % Moisture: | | |
| Analyst: MAB | | Date Pr | rep: 07.2 | 3.2020 16:37 | | Basis: Wet | Weight | |
| Seq Number: 3132527 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 484 | 10.0 | | mg/kg | 07.23.2020 23:30 | | 1 |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3132505 | 5 Mod | Date Pr | rep: 07.2 | 3.2020 17:10 | | Prep Method: SW8 % Moisture: Basis: Wet | 8015P Weight | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | | mg/kg | 07.24.2020 03:21 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | < 50.2 | 50.2 | | mg/kg | 07.24.2020 03:21 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | < 50.2 | 50.2 | | mg/kg | 07.24.2020 03:21 | U | 1 |
| Total GRO-DRO | PHC628 | < 50.2 | 50.2 | | mg/kg | 07.24.2020 03:21 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | | mg/kg | 07.24.2020 03:21 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1-Chlorooctane | | 111-85-3 | 108 | % | 70-135 | 07.24.2020 03:21 | | |
| o-Terphenyl | | 84-15-1 | 119 | % | 70-135 | 07.24.2020 03:21 | | |

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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH08 | | Matrix: | Soil | Date F | Received:07.2 | 3.2020 14: | 07 |
|----------------------------------|------------|---------------|---------------------|----------|---------------|------------|-----|
| Lab Sample Id: 668056-004 | | Date Collecte | d: 07.23.2020 10:31 | Sampl | e Depth: 2 ft | | |
| Analytical Method: BTEX by EPA 8 | 021B | | | Prep N | fethod: SW5 | 5035A | |
| Tech: MAB | | | | % Mo | isture: | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:44 | Basis: | Wet | Weight | |
| Seq Number: 3132550 | | | | | | | |
| Parameter | Cas Number | Result RI | | Units An | alysis Date | Flag | Dil |

| | | | 112 | | Cinto | Thay bis Dute | 1 1.5 | 21 |
|----------------------|-------------|------------|------------|-------|--------|------------------|-------|----|
| Benzene | 71-43-2 | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| Toluene | 108-88-3 | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00403 | 3 0.00403 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| Total BTEX | | < 0.00202 | 2 0.00202 | | mg/kg | 07.24.2020 17:17 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 104 | % | 70-130 | 07.24.2020 17:17 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 17:17 | | |
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Certificate of Analytical Results 668056

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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH06 Lab Sample Id: 668056-005 | | Matrix: Date Collec | Soil cted: 07.23.2020 10:45 | | Date Received:07.2 Sample Depth: 2 ft | 23.2020 14 | :07 |
|--|------------|------------------------|--------------------------------|-------|--|-------------------|-----|
| Analytical Method: Chloride by EF | PA 300 | | | | Prep Method: E30 | 0P | |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:37 | | Basis: Wet | Weight | |
| Seq Number: 3132527 | | | | | | | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 2350 | 50.3 | mg/kg | 07.23.2020 23:35 | | 5 |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3132505 | 15 Mod | Date Prep: | 07.23.2020 17:10 | | Prep Method: SW % Moisture: Basis: Wet | 8015P : Weight | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 07.24.2020 03:41 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 07.24.2020 03:41 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 07.24.2020 03:41 | U | 1 |
| Total GRO-DRO | PHC628 | <50.2 | 50.2 | mg/kg | 07.24.2020 03:41 | U | 1 |

| PHC628 | <50.1 | 2 50.2 | | mg/kg | 07.24.2020 03:41 | U |
|--------|------------|---------------------------------------|--|--|--|--|
| PHC635 | <50.1 | 2 50.2 | | mg/kg | 07.24.2020 03:41 | U |
| | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
| | 111-85-3 | 102 | % | 70-135 | 07.24.2020 03:41 | |
| | 84-15-1 | 109 | % | 70-135 | 07.24.2020 03:41 | |
| | | PHC635 <50. Cas Number 111-85-3 | PHC635 <50.2 50.2 Cas Number % Recovery 111-85-3 102 | PHC635 <50.2 50.2 Cas Number % Recovery Units 111-85-3 102 % | PHC635 <50.2 50.2 mg/kg Cas Number % Recovery Units Limits 111-85-3 102 % 70-135 | PHC635 <50.2 50.2 mg/kg 07.24.2020 03:41 Cas Number % Recovery Units Limits Analysis Date 111-85-3 102 % 70-135 07.24.2020 03:41 |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | PH06 | | Matrix: | Soil | Ε | Date Received | :07.23.2 | 020 14:0 |)7 |
|---------------|-----------------------|------------|----------------|---------------------|-------|---------------|----------|----------|-----|
| Lab Sample Io | d: 668056-005 | | Date Collected | d: 07.23.2020 10:45 | S | ample Depth | : 2 ft | | |
| Analytical Me | ethod: BTEX by EPA 80 | 21B | | | P | rep Method: | SW503 | 5A | |
| Tech: | MAB | | | | 9 | 6 Moisture: | | | |
| Analyst: | MAB | | Date Prep: | 07.23.2020 16:44 | E | Basis: | Wet W | eight | |
| Seq Number: | 3132550 | | | | | | | | |
| Parameter | | Cas Number | Result RI | | Units | Analysis Da | nte 1 | nel | Dil |

| Parameter | Cas Numbe | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00400 | 0.00400 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 17:40 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 17:40 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 103 | % | 70-130 | 07.24.2020 17:40 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH01 Lab Sample Id: 668056-006 | | Matrix: Date Co | Soil ollected: 07.23 | 3.2020 10:50 | | Date Received:07.2 Sample Depth: 1 ft | 3.2020 14 | :07 |
|--|------------|-------------------------------|-------------------------|--------------|------------------|---|-----------|-----|
| Analytical Method: Chloride by EF | PA 300 | | | | | Prep Method: E300 |)P | |
| Tech: MAB | | | | | | % Moisture: | | |
| Analyst: MAB | | Date Pr | ep: 07.23 | 3.2020 16:37 | | Basis: Wet | Weight | |
| Seq Number: 3132527 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 348 | 49.9 | | mg/kg | 07.23.2020 23:52 | | 5 |
| Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3132505 | 15 Mod | Date Pr | ep: 07.23 | 3.2020 17:10 | | Prep Method: SW8 % Moisture: Basis: Wet | Weight | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.8 | 49.8 | | mg/kg | 07.24.2020 04:02 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.8 | 49.8 | | mg/kg | 07.24.2020 04:02 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.8 | 49.8 | | mg/kg | 07.24.2020 04:02 | U | 1 |
| Total GRO-DRO | PHC628 | <49.8 | 49.8 | | mg/kg | 07.24.2020 04:02 | U | 1 |
| Total TPH | PHC635 | <49.8 | 49.8 | | mg/kg | 07.24.2020 04:02 | U | 1 |
| _ | | | | | | | | |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| Surrogate 1-Chlorooctane | | Cas Number 111-85-3 | % Recovery 114 | Units % | Limits 70-135 | | Flag | |

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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH |)1 | Matrix: | Soil | Date Received | :07.23.2020 14:0 |)7 |
|--------------------|-------------------|-----------------|------------------|---------------|------------------|-----|
| Lab Sample Id: 668 |)56-006 | Date Collected: | 07.23.2020 10:50 | Sample Depth: | 1 ft | |
| Analytical Method: | BTEX by EPA 8021B | | | Prep Method: | SW5035A | |
| Tech: MAI | 3 | | | % Moisture: | | |
| Analyst: MAI | 6 | Date Prep: | 07.23.2020 16:44 | Basis: | Wet Weight | |
| Seq Number: 3132 | 550 | | | | | |
| Parameter | Cas Number | Result RL | Units | Analysis Da | te Flag | Dil |

| Parameter | Cas Number | r Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00401 | 0.00401 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 13:17 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 97 | % | 70-130 | 07.24.2020 13:17 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 99 | % | 70-130 | 07.24.2020 13:17 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id:PH01ALab Sample Id:668056-007 | | Matrix: | Soil cted: 07.23.2020 10:53 | | Date Received:07.2 Sample Depth: 2 ft | | :07 |
|---|------------------|----------------|--------------------------------|--------|---|----------|-------------|
| | | Date Cone | eted. 07.25.2020 10.55 | | | | |
| Analytical Method: Chloride by El | PA 300 | | | | Prep Method: E30 | 00P | |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:37 | | Basis: We | t Weight | |
| Seq Number: 3132527 | | | | | | | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 130 | 49.9 | mg/kg | 07.23.2020 23:58 | | 5 |
| Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH | | Date Prep: | 07.23.2020 17:10 | | Prep Method: SW % Moisture: Basis: We | t Weight | |
| Seq Number: 3132505 | | Dute Prep. | | | | 8 | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 07.24.2020 04:22 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 07.24.2020 04:22 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 07.24.2020 04:22 | U | |
| Total GRO-DRO | | | 50.0 | ma/Ira | 07.24.2020 04:22 | ••• | 1 |
| | PHC628 | <50.2 | 50.2 | mg/kg | 07.24.2020 04:22 | U | 1 1 |
| Total TPH | РНС628 РНС635 | <50.2 <50.2 | 50.2 50.2 | mg/kg | 07.24.2020 04:22 | U U | 1 1 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 113 | % | 70-135 | 07.24.2020 04:22 | |
| o-Terphenyl | 84-15-1 | 123 | % | 70-135 | 07.24.2020 04:22 | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | PH01A | | Matrix: | Soil | | Date Received | 1:07.23.2 | 2020 14: | 07 |
|---------------|-----------------------|------------|----------------|---------------------|-------|---------------|-----------|----------|-----|
| Lab Sample Io | l: 668056-007 | | Date Collected | d: 07.23.2020 10:53 | | Sample Depth | :2 ft | | |
| Analytical Me | ethod: BTEX by EPA 80 | 21B | | | | Prep Method: | SW503 | 35A | |
| Tech: | MAB | | | | | % Moisture: | | | |
| Analyst: | MAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet W | eight | |
| Seq Number: | 3132550 | | | | | | | | |
| Parameter | | Cas Number | Result RI | | Units | Analysis D | ate | Flag | Dil |

| 1 arameter | Cas Numbe | A Result | KL | | Units | Analysis Date | riag | Dii |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| Toluene | 108-88-3 | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00403 | 0.00403 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| Total BTEX | | < 0.00202 | 0.00202 | | mg/kg | 07.24.2020 13:40 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 13:40 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 106 | % | 70-130 | 07.24.2020 13:40 | | |
| | | | | | | | | |

o-Terphenyl

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: Lab Sample Id | PH02 d: 668056-008 | | Matrix: Date Coll | Soil lected: 07.23 | .2020 11:00 | | Date Received:07.22 Sample Depth: 1 ft | 3.2020 14 | :07 |
|---|---|--|---|---|----------------------|----------------------------------|--|---|------------------|
| Analytical Mer Tech: | ethod: Chloride by EF MAB | PA 300 | | | | | Prep Method: E300 % Moisture: |)P | |
| Analyst: Seq Number: | MAB 3132527 | | Date Prep | p: 07.23 | .2020 16:37 | | Basis: Wet | Weight | |
| Parameter | | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | | 16887-00-6 | 3110 | 49.6 | | mg/kg | 07.24.2020 00:03 | | 5 |
| | | | | | | | | | |
| Tech: Analyst: | othod: TPH by SW80 DTH DTH 3132505 | 15 Mod | Date Prep | p: 07.23 | .2020 17:10 | | Prep Method: SW8 % Moisture: Basis: Wet | 8015P Weight | |
| Tech: Analyst: | DTH DTH | 15 Mod Cas Number | Date Prep Result | p: 07.23. RL | .2020 17:10 | Units | % Moisture: | | Dil |
| Tech: Analyst: Seq Number: Parameter | DTH DTH | | | | .2020 17:10 | Units mg/kg | % Moisture: Basis: Wet | Weight | Dil 1 |
| Tech: Analyst: Seq Number: Parameter Gasoline Range H | DTH DTH 3132505 Hydrocarbons (GRO) | Cas Number | Result | RL | .2020 17:10 | | % Moisture: Basis: Wet Analysis Date | Weight Flag | |
| Tech: Analyst: Seq Number: Parameter Gasoline Range F Diesel Range Org | DTH DTH 3132505 Hydrocarbons (GRO) | Cas Number PHC610 | Result | RL 50.2 | .2020 17:10 | mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 04:43 | Weight Flag U | 1 |
| Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Motor Oil Range H | DTH DTH 3132505 Hydrocarbons (GRO) ganics (DRO) (ydrocarbons (MRO) | Cas Number PHC610 C10C28DRO | Result <50.2 <50.2 | RL 50.2 50.2 | .2020 17:10 | mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 04:43 07.24.2020 04:43 | Weight Flag U U | 1 |
| Tech: Analyst: Seq Number: Parameter Gasoline Range F Diesel Range Org | DTH DTH 3132505 Hydrocarbons (GRO) ganics (DRO) (ydrocarbons (MRO) | Cas Number PHC610 C10C28DRO PHCG2835 | Result <50.2 <50.2 <50.2 | RL 50.2 50.2 50.2 | .2020 17:10 | mg/kg mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 04:43 07.24.2020 04:43 07.24.2020 04:43 | Weight Flag U U U | 1 1 1 |
| Tech: Analyst: Seq Number: Parameter Gasoline Range F Diesel Range Org Motor Oil Range H Total GRO-DRO | DTH DTH 3132505 Hydrocarbons (GRO) ganics (DRO) (ydrocarbons (MRO) | Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635 | Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 | RL 50.2 50.2 50.2 50.2 50.2 | .2020 17:10 Units | mg/kg mg/kg mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 04:43 07.24.2020 04:43 07.24.2020 04:43 07.24.2020 04:43 07.24.2020 04:43 | Weight Flag U U U U U | 1 1 1 1 |

119

%

70-135

84-15-1

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07.24.2020 04:43

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | PH02 | | Matrix: | Soil | | Date Received | 1:07.23.2 | 020 14:0 |)7 |
|----------------|-----------------------|------------|----------------|--------------------|-------|---------------|-----------|----------|-----|
| Lab Sample Id | : 668056-008 | | Date Collected | 1:07.23.2020 11:00 | | Sample Depth | :1 ft | | |
| Analytical Met | thod: BTEX by EPA 802 | 21B | | | | Prep Method: | SW503 | 5A | |
| Tech: | MAB | | | | | % Moisture: | | | |
| Analyst: | MAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet We | eight | |
| Seq Number: | 3132550 | | | | | | | | |
| Parameter | | Cas Number | Result RL | | Units | Analysis Da | nte F | lag | Dil |

| Turumeter | Cusitumse | | KL | | Onto | Analysis Date | Tiag | Di |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00399 | 0.00399 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:02 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 14:02 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 105 | % | 70-130 | 07.24.2020 14:02 | | |

1-Chlorooctane

o-Terphenyl

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH02A Lab Sample Id: 668056-009 | | Matrix: Date Col | Soil lected: 07.23.2020 11:03 | | Date Received:07.2 Sample Depth: 2 ft | | :07 |
|---|------------|---------------------|----------------------------------|-------|--|-------------------|-----|
| Analytical Method: Chloride by EP | A 300 | | | | Prep Method: E30 | OP | |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep | p: 07.23.2020 16:37 | | Basis: Wet | Weight | |
| Seq Number: 3132527 | | 2 40 1 10 | | | | 8 | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 41.9 | 10.1 | mg/kg | 07.24.2020 00:09 | | 1 |
| Analytical Method:TPH by SW801Tech:DTHAnalyst:DTHSeq Number:3132505 | 15 Mod | Date Prep | p: 07.23.2020 17:10 | | Prep Method: SW % Moisture: Basis: Wet | 8015P t Weight | |
| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 07.24.2020 05:04 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 07.24.2020 05:04 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 07.24.2020 05:04 | U | 1 |
| Total GRO-DRO | PHC628 | <50.0 | 50.0 | mg/kg | 07.24.2020 05:04 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 07.24.2020 05:04 | U | 1 |
| Surrogate | | Cas Number % | 6 Recovery Units | Limit | s Analysis Date | Flag | |

106

114

111-85-3

84-15-1

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07.24.2020 05:04

07.24.2020 05:04

70-135

70-135

% %

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH02A | | Matrix: | Soil | | Date Received | 1:07.23.202 | 20 14:07 |
|----------------------------------|------------|---------------|---------------------|-------|---------------|-------------|----------|
| Lab Sample Id: 668056-009 | | Date Collecte | d: 07.23.2020 11:03 | | Sample Depth | :2 ft | |
| Analytical Method: BTEX by EPA 8 | 021B | | | | Prep Method: | SW5035A | A |
| Tech: MAB | | | | | % Moisture: | | |
| Analyst: MAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet Weig | ght |
| Seq Number: 3132550 | | | | | | | |
| Parameter | Cas Number | Result RI | | Units | Analysis D | ate Fla | ig Dil |

| | | | | | e mus | 111111/010 20100 | 8 | 2.1 |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| Toluene | 108-88-3 | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00398 | 8 0.00398 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| Total BTEX | | < 0.00199 | 0.00199 | | mg/kg | 07.24.2020 14:25 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 101 | % | 70-130 | 07.24.2020 14:25 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 104 | % | 70-130 | 07.24.2020 14:25 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: PH03 Lab Sample Id: 668056-010 | | Matrix: Date Co | Soil llected: 07.23 | .2020 11:11 | | Date Received:07.23 Sample Depth: 1 ft | 3.2020 14 | :07 |
|---|--|---|--|----------------------|----------------------------------|--|--|------------------|
| Analytical Method: Chloride by EF | PA 300 | | | | | Prep Method: E300 |)P | |
| Tech: MAB | | | | | | % Moisture: | | |
| Analyst: MAB | | Date Pre | ep: 07.23 | .2020 16:37 | | Basis: Wet | Weight | |
| Seq Number: 3132527 | | | | | | | | |
| Parameter | Cas Number | Result | RL | | Units | Analysis Date | Flag | Dil |
| Chloride | 16887-00-6 | 734 | 50.1 | | mg/kg | 07.24.2020 00:14 | | 5 |
| Analytical Method: TPH by SW80 | 15 Mod | | | | | Prep Method: SW8 | 015P | |
| Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3132505 | 15 Mod | Date Pre | ep: 07.23 | .2020 17:10 | | % Moisture: | 015P Weight | |
| Tech: DTH Analyst: DTH | 15 Mod Cas Number | Date Pre Result | ep: 07.23 RL | .2020 17:10 | Units | % Moisture: | | Dil |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter | | | r. | .2020 17:10 | Units mg/kg | % Moisture: Basis: Wet | Weight | Dil |
| Tech: DTH Analyst: DTH Seq Number: 3132505 | Cas Number | Result | RL | .2020 17:10 | | % Moisture: Basis: Wet Analysis Date | Weight Flag | |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) | Cas Number PHC610 | Result | RL 50.2 | .2020 17:10 | mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 05:24 | Weight Flag U | 1 |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) | Cas Number PHC610 C10C28DRO | Result <50.2 <50.2 | RL 50.2 50.2 | .2020 17:10 | mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 05:24 07.24.2020 05:24 | Weight Flag U U | 1 1 |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) | Cas Number PHC610 C10C28DRO PHCG2835 | Result <50.2 <50.2 <50.2 <50.2 | RL 50.2 50.2 50.2 | .2020 17:10 | mg/kg mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 | Weight Flag U U U | 1 1 1 |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO | Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635 | Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50 | RL 50.2 50.2 50.2 50.2 50.2 | .2020 17:10 Units | mg/kg mg/kg mg/kg mg/kg | % Moisture: Basis: Wet Analysis Date 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 | Weight Flag U U U U U | 1 1 1 1 |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH | Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635 | Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50 | RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 | | mg/kg mg/kg mg/kg mg/kg | % Moisture: Basis: Wet Maalysis Date 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 07.24.2020 05:24 | Weight Flag U U U U U U | 1 1 1 1 |

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LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: P Lab Sample Id: 6 | PH03 68056-010 | | Matrix: Date Collected | Soil l: 07.23.2020 11:11 | | Date Received Sample Depth | | .2020 14:0 | 17 |
|---|--------------------------|------------|---------------------------|-----------------------------|-------|-------------------------------|-------|------------|-----|
| 2 | d: BTEX by EPA 802 | 1B | | | | Prep Method: % Moisture: | SW50 |)35A | |
| | IAB IAB | | Date Prep: | 07.23.2020 16:44 | | Basis: | Wet V | Weight | |
| Seq Number: 31 | 132550 | | | | | | | | |
| Parameter | | Cas Number | Result RL | | Units | Analysis Da | ite | Flag | Dil |

| rarameter | Cas Number | r Kesult | KL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| Toluene | 108-88-3 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00402 | 0.00402 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| Total BTEX | | < 0.00201 | 0.00201 | | mg/kg | 07.24.2020 14:47 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | | 460-00-4 | 105 | % | 70-130 | 07.24.2020 14:47 | | |
| 1,4-Difluorobenzene | | 540-36-3 | 101 | % | 70-130 | 07.24.2020 14:47 | | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id:PH03ALab Sample Id:668056-011 | | Matrix: Date Collec | Soil ted: 07.23.2020 11:15 | | Date Received:07.23.2020 14:07 Sample Depth: 2 ft | | | |
|---|-----------------------------------|---------------------------|-------------------------------|----------------|--|----------------------------|--------|--|
| Analytical Method: Chloride by EP Tech: MAB | PA 300 | | | | Prep Method: E30 % Moisture: | | | |
| Analyst:MABSeq Number:3132658 | | Date Prep: | 07.24.2020 12:28 | | Basis: We | t Weight | | |
| Parameter | Cas Number | Result] | RL | Units | Analysis Date | Flag | Dil | |
| Chloride | 16887-00-6 | 108 | 10.1 | mg/kg | 07.24.2020 14:20 | | 1 | |
| | | | | | | | | |
| Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3132505 | 15 Mod | Date Prep: | 07.23.2020 17:10 | | Prep Method: SW % Moisture: Basis: We | 8015P t Weight | | |
| Tech: DTH Analyst: DTH | 15 Mod Cas Number | - | 07.23.2020 17:10 RL | Units | % Moisture: | | Dil | |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter | | - | | Units mg/kg | % Moisture: Basis: We | t Weight | Dil | |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) | Cas Number | Result] | RL | | Moisture:Basis: WeAnalysis Date | t Weight Flag | | |
| Tech: DTH Analyst: DTH Seq Number: 3132505 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) | Cas Number PHC610 | Result] | RL 50.1 | mg/kg | % Moisture: Basis: We Analysis Date 07.24.2020 05:44 | t Weight Flag U | 1 | |
| Tech: DTH Analyst: DTH Seq Number: 3132505 | Cas Number PHC610 C10C28DRO | Result <50.1 <50.1 | RL 50.1 50.1 | mg/kg mg/kg | Moisture: Basis: We Analysis Date 07.24.2020 05:44 07.24.2020 05:44 07.24.2020 05:44 | t Weight Flag U U | 1 1 | |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 109 | % | 70-135 | 07.24.2020 05:44 | |
| o-Terphenyl | 84-15-1 | 120 | % | 70-135 | 07.24.2020 05:44 | |

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Certificate of Analytical Results 668056

LT Environmental, Inc., Arvada, CO PLU 20 BD 102H

| Sample Id: | PH03A | | Matrix: | Soil | Date Receive | d:07.23.2020 14 | :07 | | |
|--------------|-----------------------|------------|---------------|---------------------|----------------------|-----------------|-----|--|--|
| Lab Sample I | d: 668056-011 | | Date Collecte | d: 07.23.2020 11:15 | 5 Sample Depth: 2 ft | | | | |
| Analytical M | ethod: BTEX by EPA 80 | 21B | | | Prep Method | : SW5035A | | | |
| Tech: | MAB | | | | % Moisture: | | | | |
| Analyst: | MAB | | Date Prep: | 07.24.2020 09:35 | Basis: | Wet Weight | | | |
| Seq Number: | 3132662 | | | | | | | | |
| Parameter | | Cas Number | Result RI | | Units Analysis I |)ata Flan | Dil | | |

| Parameter | Cas Numbe | er Result | RL | | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|-----|
| Benzene | 71-43-2 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| Toluene | 108-88-3 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| Ethylbenzene | 100-41-4 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| m,p-Xylenes | 179601-23-1 | < 0.00400 | 0.00400 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| o-Xylene | 95-47-6 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| Total Xylenes | 1330-20-7 | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| Total BTEX | | < 0.00200 | 0.00200 | | mg/kg | 07.24.2020 14:23 | U | 1 |
| Surrogate | | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | | 540-36-3 | 100 | % | 70-130 | 07.24.2020 14:23 | | |
| 4-Bromofluorobenzene | | 460-00-4 | 102 | % | 70-130 | 07.24.2020 14:23 | | |

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Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- **F** RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

| BRL Below Reporting Limit. | ND Not Detected | | | |
|-----------------------------------|----------------------|------------------|----------------------------|---------------------------------|
| RL Reporting Limit | | | | |
| MDL Method Detection Limit | SDL Sample De | tection Limit | LOD Limit of Detection | |
| PQL Practical Quantitation Limit | MQL Method Qu | antitation Limit | LOQ Limit of Quantitation | n |
| DL Method Detection Limit | | | | |
| NC Non-Calculable | | | | |
| SMP Client Sample | | BLK | Method Blank | |
| BKS/LCS Blank Spike/Laboratory | Control Sample | BKSD/LCSD | Blank Spike Duplicate/Labo | ratory Control Sample Duplicate |
| MD/SD Method Duplicate/Samp | ble Duplicate | MS | Matrix Spike | MSD: Matrix Spike Duplicate |
| + NELAC certification not offered | l for this compound. | | | |

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Received by OCD: 12/22/2020/11304756/AM

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QC Summary 668056

LT Environmental, Inc. PLU 20 BD 102H

E300P Analytical Method: Chloride by EPA 300 Prep Method: Seq Number: 3132527 Matrix: Solid Date Prep: 07.23.2020 7707993-1-BLK LCS Sample Id: 7707993-1-BKS LCSD Sample Id: 7707993-1-BSD MB Sample Id: %RPD RPD MB Spike LCS LCS LCSD Limits Units Analysis LCSD Flag Parameter Result Amount Result %Rec Result %Rec Limit Date Chloride <10.0 250 264 106 273 90-110 20 07.23.2020 21:33 109 3 mg/kg E300P Analytical Method: Chloride by EPA 300 Prep Method: 07.24.2020 Seq Number: 3132658 Matrix: Solid Date Prep: LCS Sample Id: 7708057-1-BKS LCSD Sample Id: MB Sample Id: 7708057-1-BLK 7708057-1-BSD %RPD MB Spike LCS LCS LCSD LCSD Limits RPD Units Analysis **Parameter** Flag Result Amount Result %Rec Result %Rec Limit Date 20 07.24.2020 13:40 Chloride <10.0 250 265 106 274 110 90-110 3 mg/kg E300P Analytical Method: Chloride by EPA 300 Prep Method: 3132527 07.23.2020 Seq Number: Matrix: Soil Date Prep: MS Sample Id: 668043-021 S MSD Sample Id: 668043-021 SD Parent Sample Id: 668043-021 Spike RPD Parent MS MS % RPD Units Analysis MSD MSD Limits Flag Parameter Result Result %Rec Limit Date Amount Result %Rec 07.23.2020 21:50 Chloride 228 199 105 90-110 20 437 432 103 1 mg/kg E300P Analytical Method: Chloride by EPA 300 Prep Method: Seq Number: 3132527 Matrix: Soil Date Prep: 07.23.2020 Parent Sample Id: 668056-001 MS Sample Id: 668056-001 S MSD Sample Id: 668056-001 SD RPD Parent Spike MS MS MSD MSD Limits %RPD Units Analysis Flag Parameter Result Limit Date Result Amount %Rec %Rec Result

Analytical Method: Chloride by EPA 300 E300P Prep Method: Seq Number: 3132658 Matrix: Soil 07.24.2020 Date Prep: 668098-001 S 668098-001 SD Parent Sample Id: 668098-001 MS Sample Id: MSD Sample Id: Parent Spike MS MS Limits %RPD RPD Units Analysis MSD MSD Flag Parameter %Rec Result Result Limit Date Amount Result %Rec 07.24.2020 13:57 20 Chloride 310 200 518 104 517 104 90-110 0 mg/kg

289

105

90-110

289

105

| Analytical Method: | Chloride by EPA 30 | | | | | Pr | ep Metho | d: E30 | 0P | | | |
|--------------------|--------------------|-----------------|--------------|------------|---------------|-------------|----------|----------|--------------|------------|------------------|------|
| Seq Number: | 3132658 | |] | Matrix: | Soil | | | | Date Pre | ep: 07.2 | 24.2020 | |
| Parent Sample Id: | 668154-005 | MS San | nple Id: | 668154-00 |)5 S | | MS | D Sample | Id: 668 | 154-005 SD | | |
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Chloride | 136 | 199 | 339 | 102 | 342 | 104 | 90-110 | 1 | 20 | mg/kg | 07.24.2020 15:27 | |

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

Chloride

 $\begin{array}{l} [D] = 100^{*}(C\text{-}A) \ / \ B \\ RPD = 200^{*} \ | \ (C\text{-}E) \ / \ (C\text{+}E) \ | \\ [D] = 100^{*} \ (C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$

78.3

201

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

07.23.2020 23:08

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20

mg/kg

0

Received by OCD: 12/22/2020 11304756 AM

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LT Environmental, Inc. PLU 20 BD 102H

| Analytical Method: Seq Number: MB Sample Id: | od | Matrix:SolidPrep Method:SW8015PLCS Sample Id:7707984-1-BKSDate Prep:07.23.2020LCSD Sample Id:7707984-1-BKSLCSD Sample Id:7707984-1- | | | | | 23.2020 | | | | | | |
|---|------------|---|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-------|------------------|------|
| Parameter | | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Gasoline Range Hydrocart | oons (GRO) | <50.0 | 1000 | 950 | 95 | 988 | 99 | 70-135 | 4 | 35 | mg/kg | 07.23.2020 21:55 | |
| Diesel Range Organics | (DRO) | <50.0 | 1000 | 1120 | 112 | 1160 | 116 | 70-135 | 4 | 35 | mg/kg | 07.23.2020 21:55 | |
| Surrogate | | MB %Rec | MB Flag | | CS Rec | LCS Flag | LCSI %Re | | | imits | Units | Analysis Date | |
| 1-Chlorooctane | | 113 | | 1 | 27 | | 126 | | 70 | -135 | % | 07.23.2020 21:55 | |
| o-Terphenyl | | 121 | | 1 | 19 | | 126 | | 70 | -135 | % | 07.23.2020 21:55 | |

| Analytical Method: | TPH by SW8015 Mod | | | Prep Method: | SW8 | 3015P | |
|--------------------------|-------------------|---------------|---------------|--------------|---------------|------------------|------|
| Seq Number: | 3132505 | Matrix: | Solid | Date Prep: | 07.2 | 3.2020 | |
| | | MB Sample Id: | 7707984-1-BLK | | | | |
| Parameter | | MB Result | | τ | J nits | Analysis Date | Flag |
| Motor Oil Range Hydrocar | oons (MRO) | <50.0 | | m | ng/kg | 07.23.2020 21:35 | |

| Analytical Method: | TPH by S | TPH by SW8015 Mod | | | | | | | Prep Method: SW8015P | | | | | |
|--------------------------|---------------------------------------|-------------------|-----------------|--------------|------------|---------------|---|-----------------------|----------------------|--------------|-------|------------------|------|--|
| Seq Number: | 3132505 | | | | | | | Date Prep: 07.23.2020 | | | | | | |
| Parent Sample Id: | 668043-023 MS Sample Id: 668043-023 S | | | | | | Id: 668043-023 S MSD Sample Id: 668043-023 SD | | | | | | | |
| Parameter | | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag | |
| Gasoline Range Hydrocarb | ons (GRO) | < 50.1 | 1000 | 1090 | 109 | 977 | 97 | 70-135 | 11 | 35 | mg/kg | 07.23.2020 22:57 | | |
| Diesel Range Organics | (DRO) | < 50.1 | 1000 | 1140 | 114 | 1140 | 113 | 70-135 | 0 | 35 | mg/kg | 07.23.2020 22:57 | | |
| Surrogate | | | | | 1S Rec | MS Flag | MSD %Re | | | imits | Units | Analysis Date | | |
| 1-Chlorooctane | | | | 1 | 31 | | 129 | | 70 | -135 | % | 07.23.2020 22:57 | | |

114

122

| Analytical Method: Seq Number: MB Sample Id: | BTEX by EPA 8021 3132550 7707995-1-BLK | IB | | Matrix: nple Id: | Solid 7707995-2 | 1-BKS | | | rep Meth Date Pr D Sample | ep: 07.2 | 5035A 23.2020 7995-1-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 | 0.103 | 103 | 0.107 | 107 | 70-130 | 4 | 35 | mg/kg | 07.24.2020 03:55 | |
| Toluene | < 0.00200 | 0.100 | 0.0964 | 96 | 0.101 | 101 | 70-130 | 5 | 35 | mg/kg | 07.24.2020 03:55 | |
| Ethylbenzene | < 0.00200 | 0.100 | 0.0893 | 89 | 0.0934 | 93 | 71-129 | 4 | 35 | mg/kg | 07.24.2020 03:55 | |
| m,p-Xylenes | < 0.00400 | 0.200 | 0.179 | 90 | 0.189 | 95 | 70-135 | 5 | 35 | mg/kg | 07.24.2020 03:55 | |
| o-Xylene | < 0.00200 | 0.100 | 0.0878 | 88 | 0.0943 | 94 | 71-133 | 7 | 35 | mg/kg | 07.24.2020 03:55 | |
| Surrogate | MB %Rec | MB Flag | | CS Rec | LCS Flag | LCSI %Ree | | | imits | Units | Analysis Date | |
| 1,4-Difluorobenzene | 97 | | ç | 97 | | 99 | | 70 | -130 | % | 07.24.2020 03:55 | |
| 4-Bromofluorobenzene | 89 | | ç | 95 | | 102 | | 70 | -130 | % | 07.24.2020 03:55 | |

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

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o-Terphenyl

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

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07.23.2020 22:57

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70-135

%

Received by OCD: 12/22/2020 11:04756/AM

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LT Environmental, Inc. PLU 20 BD 102H

PLU 20 BI

| Analytical Method: | BTEX by EPA 8021 | B | | Prep Method: SW5035A | | | | | | | | |
|----------------------|------------------|-----------------|---------------|----------------------|----------------|--------------|--------|------|--------------|-----------|------------------|------|
| Seq Number: | 3132662 | |] | Matrix: | Solid | | | | Date Pr | ep: 07.2 | 24.2020 | |
| MB Sample Id: | 7708007-1-BLK | | LCS San | nple Id: | 7708007- | I-BKS | | LCS | D Sample | e Id: 770 | 8007-1-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 | 0.103 | 103 | 0.100 | 100 | 70-130 | 3 | 35 | mg/kg | 07.24.2020 11:45 | |
| Toluene | < 0.00200 | 0.100 | 0.0978 | 98 | 0.0947 | 95 | 70-130 | 3 | 35 | mg/kg | 07.24.2020 11:45 | |
| Ethylbenzene | < 0.00200 | 0.100 | 0.100 | 100 | 0.0978 | 98 | 71-129 | 2 | 35 | mg/kg | 07.24.2020 11:45 | |
| m,p-Xylenes | < 0.00400 | 0.200 | 0.202 | 101 | 0.197 | 99 | 70-135 | 3 | 35 | mg/kg | 07.24.2020 11:45 | |
| o-Xylene | < 0.00200 | 0.100 | 0.102 | 102 | 0.0994 | 99 | 71-133 | 3 | 35 | mg/kg | 07.24.2020 11:45 | |
| Surrogate | MB %Rec | MB Flag | | CS Rec | LCS Flag | LCSD %Rec | | | imits | Units | Analysis Date | |
| 1,4-Difluorobenzene | 99 | | 9 | 8 | | 99 | | 70 | -130 | % | 07.24.2020 11:45 | |
| 4-Bromofluorobenzene | 104 | | 9 | 9 | | 100 | | 70 | -130 | % | 07.24.2020 11:45 | |

| Analytical Method: Seq Number: Parent Sample Id: | BTEX by EPA 8021 3132550 668043-021 | B | Matrix: Soil MS Sample Id: 668043-021 S | | | | | Prep Method: SW5035A Date Prep: 07.23.2020 MSD Sample Id: 668043-021 SD | | | | |
|---|--|-----------------|--|------------|---------------|-------------|--------|---|--------------|-------|------------------|------|
| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
| Benzene | < 0.00201 | 0.100 | 0.0956 | 96 | 0.103 | 102 | 70-130 | 7 | 35 | mg/kg | 07.24.2020 04:37 | |
| Toluene | < 0.00201 | 0.100 | 0.0894 | 89 | 0.0982 | 97 | 70-130 | 9 | 35 | mg/kg | 07.24.2020 04:37 | |
| Ethylbenzene | < 0.00201 | 0.100 | 0.0837 | 84 | 0.0930 | 92 | 71-129 | 11 | 35 | mg/kg | 07.24.2020 04:37 | |
| m,p-Xylenes | < 0.00402 | 0.201 | 0.170 | 85 | 0.191 | 95 | 70-135 | 12 | 35 | mg/kg | 07.24.2020 04:37 | |
| o-Xylene | < 0.00201 | 0.100 | 0.0822 | 82 | 0.0912 | 90 | 71-133 | 10 | 35 | mg/kg | 07.24.2020 04:37 | |
| Surrogate | | | | 1S Rec | MS Flag | MSD %Re | | | imits | Units | Analysis Date | |
| 1,4-Difluorobenzene | | | 9 | 99 | | 100 | | 70 | -130 | % | 07.24.2020 04:37 | |
| 4-Bromofluorobenzene | | | 1 | 04 | | 106 | | 70 | -130 | % | 07.24.2020 04:37 | |

| Analytical Method: | BTEX by EPA 8021 | 1B | | | | | | Р | rep Meth | od: SW | 5035A | |
|----------------------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-----------|------------------|------|
| Seq Number: | 3132662 | |] | Matrix: | Soil | | | | Date Pr | ep: 07.2 | 24.2020 | |
| Parent Sample Id: | 668056-011 | | MS San | nple Id: | 668056-01 | 11 S | | MS | D Sampl | e Id: 668 | 8056-011 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 | 0.100 | 100 | 0.0990 | 99 | 70-130 | 1 | 35 | mg/kg | 07.24.2020 13:42 | |
| Toluene | < 0.00200 | 0.0998 | 0.0944 | 95 | 0.0930 | 93 | 70-130 | 1 | 35 | mg/kg | 07.24.2020 13:42 | |
| Ethylbenzene | < 0.00200 | 0.0998 | 0.0984 | 99 | 0.0934 | 93 | 71-129 | 5 | 35 | mg/kg | 07.24.2020 13:42 | |
| m,p-Xylenes | < 0.00399 | 0.200 | 0.197 | 99 | 0.190 | 95 | 70-135 | 4 | 35 | mg/kg | 07.24.2020 13:42 | |
| o-Xylene | < 0.00200 | 0.0998 | 0.0983 | 98 | 0.0946 | 95 | 71-133 | 4 | 35 | mg/kg | 07.24.2020 13:42 | |
| Surrogate | | | | IS Rec | MS Flag | MSD %Ree | | | imits | Units | Analysis Date | |
| 1,4-Difluorobenzene | | | 9 | 96 | | 98 | | 70 | -130 | % | 07.24.2020 13:42 | |
| 4-Bromofluorobenzene | | | 1 | 03 | | 102 | | 70 | -130 | % | 07.24.2020 13:42 | |

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

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

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

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| | | | 23/20 14:07/2 | col l | 9 | (| 4 have |
|---|---|--|---|---|---|--|---|
| Date/Time | Received by: (Signature) | | Date/Time |) | Received by: (Signature) | Re | a t / / / / / / / / / / / / / / / / / / |
| | _ | subcontractors. It assigns standard terms and conditions ti ff such losses are due to circumstances beyond the control se terms will be enforced unless previously negotiated. | tses incurred by the clier co, but not analyzed. The | ity for any losses or expe sample submitted to Xen | Ill not assume any responsibil ct and a charge of \$5 for each | of samples and sha oplied to each proje | sprice. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be |
| a Sr TI Sn U V Zn 1631/245.1/7470/7471 : Hg | K Se Ag SiO2 Na | h Co Cu Fe b Mn Mo Ni | Al Sb As Ba Be B Sb As Ba Be Cd Cr | e order from client company | ORCER 13PPM TCLP / SPLP 6010: constitutes a valid purchase order from | to be analyzed | Circle Method(s) and Metal(s) to be analyzed |
| | | | | + | | 020- | Total 200.7 / 6010 200.8 / 6020- |
| | | | \leftarrow | | 4 111 | < | PHO3 |
| | | | | 2. | 1103 | | PHO2A |
| | | | | - ~ | 1053 | | PH 02 |
| | | | | 2 | 1050 | | PHOIA |
| | | | | 2 | Shot | | PHO |
| | | | | 2 | 1031 | | DDDDD A |
| | | | | N | 1022 | | SSOZA |
| | | | | N | 1010 | | 0 |
| | | | X X X | 1. 1 | 23/20 0954 | 5-0-2 | COCHA |
| Sample Comments | | | | Depth Nur | s be | Matrix S | |
| TAT starts the day received by the lab, received by 4:00pm | TAT st | | | iber of | Total Containers: Date Time | NO NA | Sample Identification |
| Zn Acetate+ NaOH: Zn | Zn Ac | | (E | -0.2 Cor | Correction Factor: | - | Yes |
| 1: Na | NaOH: Na | | PA | | TNMOOT | 12 | |
| H | HCL: HL | | 8 0 PA | UN (Sal | 100 | | Temperature (°C): |
| H2S04: H2 | H2S0 | | = { | 1 | | Temp Blank: | SAMPLE RECEIPT |
| HNO3: HN | HNO | | 20 | | Quote #: | | |
| None: NO | None | | 21 | ate. | Due Date: | ounty Smith | Sampler's Name: Fortimo |
| MeOH: Me | | | | ne v code | Routine | 20002 | _ |
| Preservative Codes | IEST | ANALYSIS REQUEST | | Turn Around Pres. | | BD 102 H | 750 |
| Other: | Deliverables: EDD | dmoira Henricen | tenv.com, | Itsmith@Henv.com | 역약 Email: | 100 | 2011 |
| | Reporting:Level II CLevel III PST/UST TRRP Level IV | F | Carleboo | City, State ZIP: | 2016 | F | IDIII |
| s_kkc_ Superfund | State of Project: | Da | 3IOH H | Address: | 21: | North | - |
| ments | Program: IIST/DST Debb Brownerts | nerau Inc. | X TO E | 6 | nc. Permian Offic | Environmental, | 30 |
| Fage 1 of C | www.xelico.com | | m Kule Li- | Bill to: (if different) | | Mour | D |
| • | | oenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach FI (561) 600 6704 | 449-8800 Tampa,FL (8 | Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 | Phoenix,AZ (480) 355 | | > |
| JES & OSTO | Work Order No: | Chain of Custody Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 | Chain of Custod Dallas, TX (214) 902-0300 San Antoni | ston,TX (281) 240-4200 | Hour Midland TX (432) | | LABORAT |
| | | | | | | | |

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| ure) Date/Time | K Se Ag SiO2 Na eceived by: (Signat | r Co Cu Fe b Mn Mo Ni s. It assigns stand are due to circum enforced unless p ihed by: (Sig | TI AI Sb As Ba Be B Sb As Ba Be Cd Cr npamy to Xenco, Its affiliates and r exponses incurred by the client to Xenco, but not analyzed. These Date/Time Date/Time 6 | BRCRA 13PPM Texas That TCLP / SPLP 6010: a valid purchase order from client company to me any responsibility for any losses or exponsibility for any losses or exponsibility for any losses or exponsionary of \$5 for each sample submitted to Xenco y; (Signature) 7033 | t of samples constitutes a valid purchase orr mples and shall not assume any responsibilit to each project and a charge of \$5 for each s Received by: (Signature) | Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas Tr Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA 13PPM Texas Tr Al Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni of service. Xenco will be liable only for the cost of samples constitutes a valid purchase order from cilent company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be iable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the contro of \$57.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Relinquished by: (Signatu |
|--|--|--|---|---|--|--|
| | | | | 2 | S 7/23/20 1115 | PHO3A -at |
| HCL: HL NaOH: Na Zn Acetate+ NaOH: Zn TAT starts the day received by the lab, if received by 4:00pm Sample Comments | HCL: HL NaOH: Na Zn Acetate TAT starts the re | | TPH (EPA 80 BTEX (EPA 0= Chloride (EPA 3 | Depth Number of Containers | Temp Blank: Yes Wet Ice: No NA Thermometer ID No NA Correction Factor: No N/A Total Containers: Matrix Date Time Sampled Sampled Sampled | SAMPLE RECEIPT Temperature (°C): |
| MeOH: Me None: NO HNO3: HN H2S04: H2 | | | 8021) | ne Pres. Code | Quote # | Eddy Eatland |
| IS RRC Superfund | Program: UST/PST PRP Brownfields RRC Superfund State of Project: Reporting:Level II Level III PST/UST TRRP Level IV Deliverables: EDD ADaPT Other: | Chang 6t s Chang 6t s Cl, Nim 88220 Rep dmoir@Hanv.com Delin | Carlebre | Turn Around | A Street 19:105 49 Em | PL (43) |
| Page 2 of 2 | -5440 89-6701 <u>www.xenco.com</u> Page Work Order Comments | Antonio, 3) 794-12 -2000 W | Dallas,TX (214) 902-0 15) 585-3443 Lubbor 149-8800 Tampa,FL 0 KU(0 Li | 04-5440 EL Paso,TX (91) -0900 Atlanta,GA (770) 44 Bill to: (if different) | ontal lo | Project Manager: Dan More company Name: I.T. Fourformanda |

Final 1.001

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

| Client: LT Environmental, Inc. | Acceptable Temperature R | ange: 0 - 6 degC | | | |
|---|--|--------------------------------------|--|--|--|
| Date/ Time Received: 07.23.2020 02.07.00 PM | Air and Metal samples Acc | | | | |
| Work Order #: 668056 | Temperature Measuring device used : T-NM-007 | | | | |
| Sample Recei | ot Checklist | Comments | | | |
| #1 *Temperature of cooler(s)? | 2.2 | | | | |
| #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 | Samples received in bulk containers. | | | |
| #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:

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PH Device/Lot#:

Checklist completed by: Date: 07.23.2020 Elizabeth McClellan

Checklist reviewed by: Jessica WAMER Jessica Kramer

Date: 07.24.2020

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CONDITIONS

Action 10361

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

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

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

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

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

CONDITIONS OF APPROVAL

| Operator: | OGRID: | Action Number: | Action Type: |
|--|-----------|----------------|--------------|
| XTO ENERGY, INC 6401 Holiday Hill Road | 5380 | 10361 | C-141 |
| Building #5 Midland, TX79707 | | | |
| | | | |
| OCD Reviewer | Condition | | |
| ceads | None | | |