

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

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

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

QBGJQ-191126-C-1410

| | |
|----------------|---------------|
| Incident ID | NCE2002754520 |
| 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 32.153746 Longitude -103.998802
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|---|
| Site Name Corral Canyon Expansion | Site Type Well Location |
| Date Release Discovered 11/13/2019 | API# (if applicable) 30-015-42928 (Corral Canyon Federal Com 16H) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| P | 5 | 25S | 29E | EDDY |

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

Nature and Volume of Release

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

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) <1.0 | Volume Recovered (bbls) 0.0 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) 0.0 | Volume Recovered (bbls) 0.0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Less than a bbl of oil was released out of the low pressure flare causing a fire at the Corral Canyon Expansion Battery. No property damage and fire stayed on location and extinguished itself. Remediation of de minimis staining around the flare was completed by hand digging and soil was disposed at an approved facility.

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Oil Conservation Division

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| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? YES – An unauthorized release of volume that results in a fire or is the result of a fire. |
|---|---|

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

YES by Amy Ruth : to Mike Bratcher; Rob Hamlet; Victoria Venegas; blm_nm_cfo_spill@blm.gov; "Griswold, Jim, EMNRD" by email on November 13, 2019 1:19 PM

Initial Response

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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
|--|

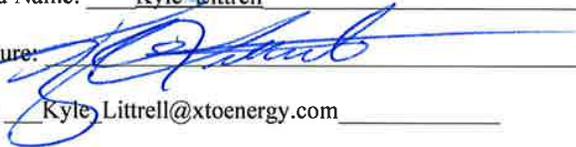
If all the actions described above have not been undertaken, explain why:

There were no fluids released to be contained via the use of berms or dikes, absorbent pads, or other containment devices.
 There were no fluids released to be removed and managed.

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

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature:  Date: 11/26/19

email: Kyle.Littrell@xtoenergy.com Telephone: _____

OCD Only

Received by: _____ Date: _____

| | |
|----------------|---------------|
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Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>50-100</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature:  Date: 05/05/2020

email: Kyle_Littrell@xtoenergy.com Telephone: (432)-221-7331

OCD Only

Received by: Cristina Eads Date: 05/11/2020

| | |
|----------------|---------------|
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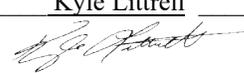
Closure

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

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

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

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

Printed Name: Kyle Littrell Title: SH&E Supervisor
 Signature:  Date: 05/05/2020
 email: Kyle_Littrell@xtoenergy.com Telephone: 432-221-7331

OCD Only

Received by: Cristina Eads Date: 05/11/2020

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

Closure Approved by:  Date: 06/26/2020
 Printed Name: Cristina Eads Title: Environmental Specialist



LT Environmental, Inc.

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

May 6, 2020

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

**RE: Closure Request
Corral Canyon Expansion
Incident ID: NCE2002754520
Eddy County, New Mexico**

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the Corral Canyon Expansion (Site) in Unit P, Section 5, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to confirm the presence or absence of impacts to soil following a fire and release of crude oil at the Site. Based on field observations, field screening results, and laboratory analytical results following soil sampling events, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NCE2002754520.

RELEASE BACKGROUND

On November 13, 2019, the low-pressure flare malfunctioned and released less than 1.0 barrel (bbl) of crude oil resulting in a small fire. The fire was immediately extinguished and there were no freestanding fluids to recover. There were no injuries reported and no damage to equipment. 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 November 26, 2019 and was assigned Incident Number NCE2002754520.

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 between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) Well C 04324, located approximately 368 feet south of the Site. The closest groundwater well has a reported depth to groundwater of approximately 65 feet bgs and a total depth of 69 feet bgs. The closest continuously flowing water or significant watercourse to the



Site is an intermittent riverine, located approximately 962 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). The Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

On April 27, 2020, LTE personnel inspected the Site to evaluate the release area based on information provided on the Form C-141 and visual observations. LTE personnel collected three preliminary soil samples (SS01 through SS03) within the release area from a depth of approximately 0.5 feet bgs to assess for the presence or absence of soil impacts at the ground surface. Soil was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of the release was conducted, and a photographic log of the Site is included in Attachment 1.

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-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO) following EPA Method 8015M/D, and chloride following EPA Method 300.0.



Based on laboratory analytical results for the preliminary soil samples, visual observations, and field screening results, excavation activities did not appear warranted; however, additional site assessment activities were scheduled to further confirm the absence of impacted soil.

On April 30, 2020, LTE personnel returned to the Site to oversee additional soil assessment activities. Three potholes (PH01 through PH03) were advanced via track-mounted backhoe, to a depth of approximately 1 foot and 2 feet bgs at the SS01 through SS03 preliminary soil sample locations. Soil samples were collected at depths of approximately 1-foot bgs (PH01 through PH03) and 2 feet bgs (PH01A through PH03A) at each pothole location. Soil from the three potholes was field screened utilizing a PID and Hach® chloride QuanTab® test strips. Field screening results and observations for each pothole were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation soil samples were collected, handled, and analyzed as described above at Xenco in Carlsbad, New Mexico. All potholes were backfilled with the same soil removed. The delineation soil sample locations are depicted on Figure 3.

ANALYTICAL RESULTS

Laboratory analytical results indicated benzene, BTEX, GRO and DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in preliminary soil samples SS01 through SS03 collected at a depth of approximately 0.5 feet bgs, and in delineation soil samples collected from potholes PH01 through PH03 at depths ranging from 1 foot and 2 feet bgs. Laboratory analytical results are depicted on Figures 2 and 3 and summarized in Table 1. The laboratory analytical reports are included as Attachment 3.

CONCLUSIONS

Preliminary soil samples SS01 through SS03 and delineation soil samples PH01/PH01A through PH03/PH03A were collected from within the release area from depths ranging from 0.5 feet to 2 feet bgs to assess for the presence or absence of soil impacts as a result of the November 13, 2019, release. Laboratory analytical results for all soil samples indicated that benzene, BTEX, GRO and DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, field screening of soil indicated volatile aromatic hydrocarbons and chloride concentrations were not elevated and petroleum hydrocarbon odors were not identified within the release area.

Based on initial response efforts, absence of elevated field screening results, and soil sample laboratory analytical results compliant with the Closure Criteria, no impacted soil was identified, and no soil excavation was required as a result of the crude oil fire. XTO requests NFA for Incident Number NCE2002754520.

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



Bratcher, M.
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Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink that reads 'Kalei Jennings'.

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

Kalei Jennings
Project Environmental Scientist

Ashley L. Ager, P.G.
Senior Geologist

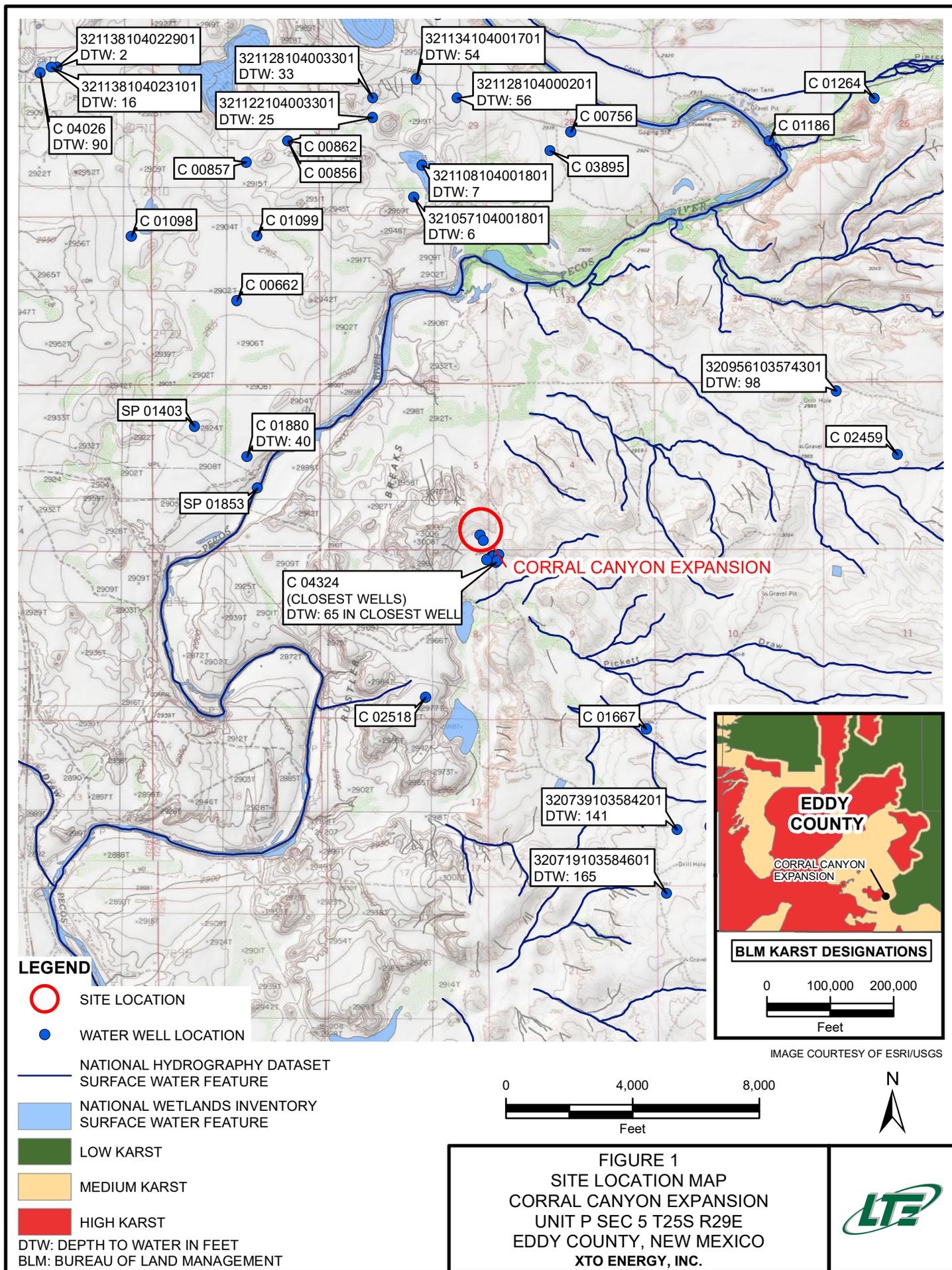
cc: Kyle Littrell, XTO
United States Bureau of Land Management – New Mexico
Robert Hamlet, NMOCD
Victoria Venegas, NMOCD

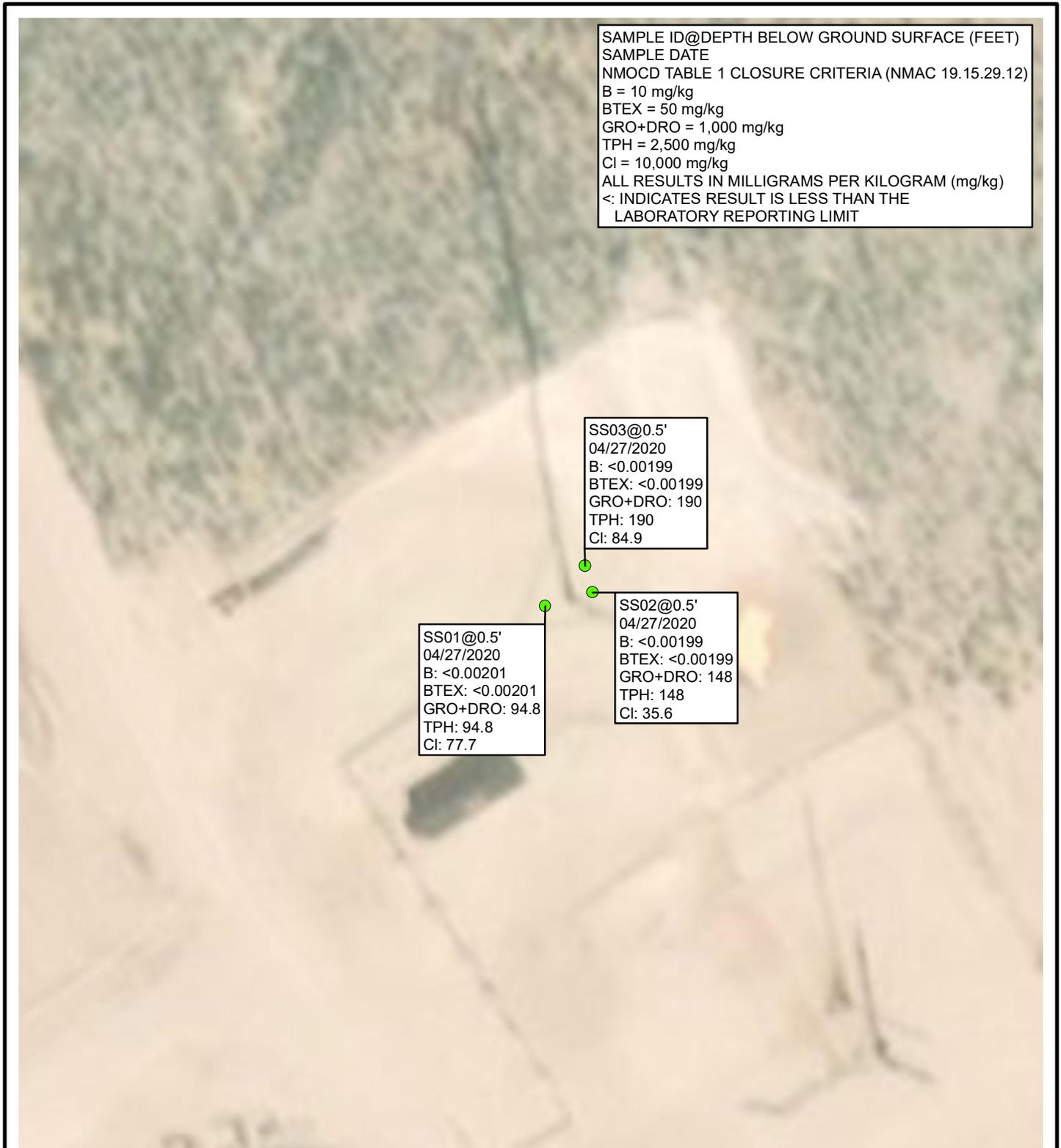
Appendices:

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

FIGURES







LEGEND

IMAGE COURTESY OF ESRI

● PRELIMINARY SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

B: BENZENE
 BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
 GRO: GASOLINE RANGE ORGANICS
 DRO: DIESEL RANGE ORGANICS
 TPH: TOTAL PETROLEUM HYDROCARBONS
 Cl: CHLORIDE
 NMAC: NEW MEXICO ADMINISTRATIVE CODE
 NMOCB: NEW MEXICO OIL CONSERVATION DIVISION
 NOTE: INCIDENT NUMBER NCE2002754520

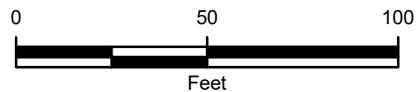
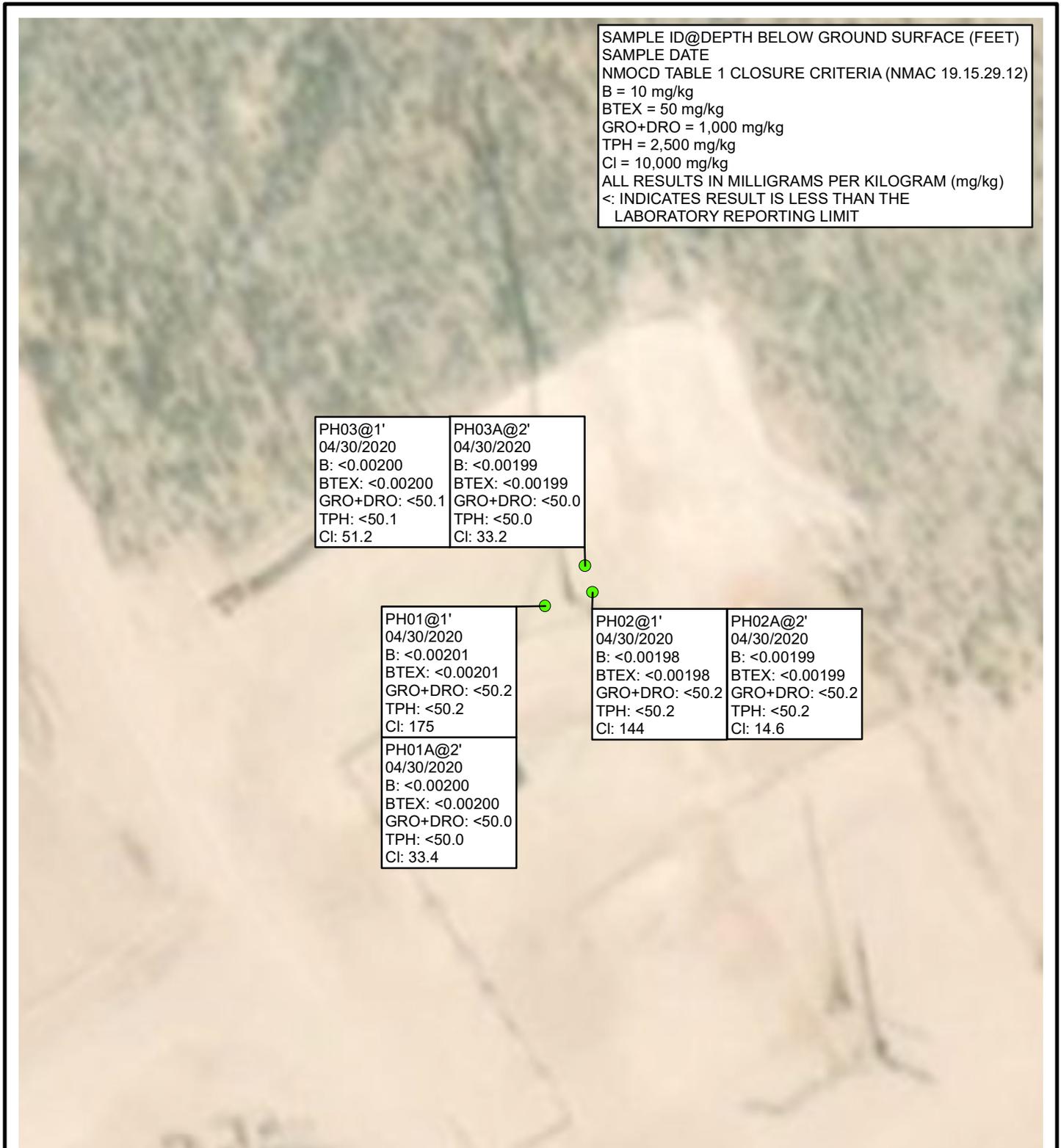


FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
CORRAL CANYON EXPANSION
UNIT P SEC 5 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.





LEGEND

IMAGE COURTESY OF ESRI

● DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

B: BENZENE
 BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
 GRO: GASOLINE RANGE ORGANICS
 DRO: DIESEL RANGE ORGANICS
 TPH: TOTAL PETROLEUM HYDROCARBONS
 Cl: CHLORIDE
 NMAC: NEW MEXICO ADMINISTRATIVE CODE
 NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
 NOTE: INCIDENT NUMBER NCE2002754520

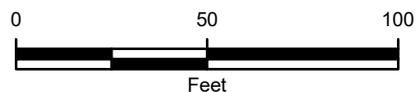


FIGURE 3
 DELINEATION SOIL SAMPLE LOCATIONS
 CORRAL CANYON EXPANSION
 UNIT P SEC 5 T25S R29E
 EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.



TABLES



**TABLE 1
SOIL ANALYTICAL RESULTS**

**CORRAL CANYON EXPANSION
INCIDENT NUMBER NCE2002754520
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) |
|--|-------------------------|-------------|-----------------|-----------------|-----------------------|-----------------------|--------------------|-------------|-------------|-------------|-----------------------|--------------|------------------|
| NMOCDC Table 1 Closure Criteria | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 2,500 | 10,000 |
| SS01 | 0.5 | 04/27/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <50.0 | 94.8 | <50.0 | 94.8 | 94.8 | 77.7 |
| SS02 | 0.5 | 04/27/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.2 | 148 | <50.2 | 148 | 148 | 35.6 |
| SS03 | 0.5 | 04/27/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.2 | 190 | <50.2 | 190 | 190 | 84.9 |
| PH01 | 1 | 04/30/2020 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 175 |
| PH01A | 2 | 04/30/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 33.4 |
| PH02 | 1 | 04/30/2020 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 144 |
| PH02A | 2 | 04/30/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.2 | <50.2 | <50.2 | <50.2 | <50.2 | 14.6 |
| PH03 | 1 | 04/30/2020 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <50.1 | <50.1 | <50.1 | <50.1 | <50.1 | 51.2 |
| PH03A | 2 | 04/30/2020 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 33.2 |

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
 NMOCDC - 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



ATTACHMENT 1: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG



Photograph 1: View of preliminary samples SS02 and SS03 facing southeast.



Photograph 2: View of preliminary sample SS01 facing northeast.

ATTACHMENT 2: LITHOLOGIC SOIL SAMPLE LOGS





LT Environmental, Inc.
 508 West Stevens Street
 Carlsbad, New Mexico 88220

A proud member
 of WSP

Compliance · Engineering · Remediation

BH or PH Name: PH 1
SS01A-B Date: 4-30-20

Site Name: The Corral Canyon Expansion

RP or Incident Number:

LTE Job Number: 01290053

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:
32.153746, -103.998802

Field Screening:
 Chloride, PID CLIPID

Logged By: Tavis Casey

Method: Extraction

Hole Diameter:

N/A

Total Depth:

1'-2'

Comments:

| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
|------------------|----------------|-------------|----------|--------------|-----------------------|----------------|------------------|----------------------------------|
| | | | | | | 0 | | |
| <u>2</u> | <u>319.2</u> | <u>0.0</u> | <u>N</u> | <u>SS01A</u> | <u>1'</u> | <u>1</u> | | <u>CHCE Trace sand tan/white</u> |
| <u>M</u> | <u>184.8</u> | <u>0.4</u> | <u>N</u> | <u>SS01B</u> | <u>2'</u> | <u>2</u> | | <u>CHCE tan/brown SP-SC</u> |
| | | | | | | 3 | | |
| | | | | | | 4 | | |
| | | | | | | 5 | | |
| | | | | | | 6 | | |
| | | | | | | 7 | | |
| | | | | | | 8 | | |
| | | | | | | 9 | | |
| | | | | | | 10 | | |
| | | | | | | 11 | | |
| | | | | | | 12 | | |



LT Environmental, Inc.
 508 West Stevens Street
 Carlsbad, New Mexico 88220

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Compliance · Engineering · Remediation

BH or PH Name: P1102

Date:

SS02A-B

4-30-20

Site Name: The Corral Canyon Expansion

RP or Incident Number:

LTE Job Number: 212920053

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Travis Busby

Method: Excavation

Lat/Long:
 32.153744 -103.448802

Field Screening:
 Chloride, PID CL/PID

Hole Diameter:
 N/A

Total Depth:
 1'-2'

Comments:

| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
|------------------|----------------|-------------|----------|----------|-----------------------|----------------|------------------|---------------------------|
| | | | | | | 0 | | |
| D | 252 | 0-2 | N | SS02A | 1' | 1 | | CLCE Trace sand tan/white |
| D | 184.8 2124 | 0.2 | " | SS02B | 2' | 2 | | CLCE tan/Brown SP-SC |
| | | | | | | 3 | | |
| | | | | | | 4 | | |
| | | | | | | 5 | | |
| | | | | | | 6 | | |
| | | | | | | 7 | | |
| | | | | | | 8 | | |
| | | | | | | 9 | | |
| | | | | | | 10 | | |
| | | | | | | 11 | | |
| | | | | | | 12 | | |

| | | | |
|---|---|---|--|
|  | LT Environmental, Inc. 508 West Stevens Street Carlsbad, New Mexico 88220 A proud member of WSP Compliance · Engineering · Remediation | BH or PH Name: <i>PH03</i> | Date: |
| | | <i>SS03A-B</i> | <i>4-30-20</i> |
| | | Site Name: <i>The Corral Canyon Expansion</i> | |
| | | RP or Incident Number: | |
| | | LTE Job Number: <i>012920053</i> | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | |
| Lat/Long: <i>32.163746, -103.595902</i> | | Field Screening: Chloride, PID <i>CL/PID</i> | Logged By: <i>Tavis/sey</i> Method: <i>Excavator</i> |
| Comments: | | Hole Diameter: <i>N/A</i> | Total Depth: <i>1'-2'</i> |

| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
|------------------|----------------|-------------|----------|--------------|-----------------------|----------------|------------------|-------------------------------------|
| | | | | | | 0 | | |
| <i>D</i> | <i><124</i> | <i>0.1</i> | <i>N</i> | <i>SS03A</i> | <i>1'</i> | 1 | | <i>LTCC Trace of Sand Tan/white</i> |
| <i>D</i> | <i><124</i> | <i>0.0</i> | <i>N</i> | <i>SS03B</i> | <i>2'</i> | 2 | | <i>LTCC tan / brown SP-SC</i> |
| | | | | | | 3 | | |
| | | | | | | 4 | | |
| | | | | | | 5 | | |
| | | | | | | 6 | | |
| | | | | | | 7 | | |
| | | | | | | 8 | | |
| | | | | | | 9 | | |
| | | | | | | 10 | | |
| | | | | | | 11 | | |
| | | | | | | 12 | | |

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS





Analytical Report 659884

for

LT Environmental, Inc.

Project Manager: Kalei Jennings

Corral Canyon Expansion

012920053

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: **Kalei Jennings**

LT Environmental, Inc.

4600 W. 60th Avenue

Arvada, CO 80003

Reference: XENCO Report No(s): **659884**

Corral Canyon Expansion

Project Address:

Kalei Jennings:

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) 659884. 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. 659884 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 659884

LT Environmental, Inc., Arvada, CO

Corral Canyon Expansion

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| SS01 | S | 04.27.2020 12:08 | 0.5 ft | 659884-001 |
| SS02 | S | 04.27.2020 13:00 | 0.5 ft | 659884-002 |
| SS03 | S | 04.27.2020 13:20 | 0.5 ft | 659884-003 |



CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Corral Canyon Expansion

Project ID: 012920053
Work Order Number(s): 659884

Report Date: 04.28.2020
Date Received: 04.27.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 659884

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon Expansion

Project Id: 012920053
Contact: Kalei Jennings
Project Location:

Date Received in Lab: Mon 04.27.2020 15:42
Report Date: 04.28.2020 12:02
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 659884-001 | 659884-002 | 659884-003 | | | |
|------------------------------------|-------------------|------------------|------------------|------------------|--|--|--|
| | <i>Field Id:</i> | SS01 | SS02 | SS03 | | | |
| | <i>Depth:</i> | 0.5- ft | 0.5- ft | 0.5- ft | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | | | |
| | <i>Sampled:</i> | 04.27.2020 12:08 | 04.27.2020 13:00 | 04.27.2020 13:20 | | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | 04.27.2020 17:40 | 04.27.2020 17:40 | 04.27.2020 17:40 | | | |
| | <i>Analyzed:</i> | 04.28.2020 00:31 | 04.28.2020 00:53 | 04.28.2020 01:14 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| Benzene | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| Toluene | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| Ethylbenzene | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| m,p-Xylenes | | <0.00402 0.00402 | <0.00398 0.00398 | <0.00398 0.00398 | | | |
| o-Xylene | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| Total Xylenes | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| Total BTEX | | <0.00201 0.00201 | <0.00199 0.00199 | <0.00199 0.00199 | | | |
| Chloride by EPA 300 | <i>Extracted:</i> | 04.27.2020 17:04 | 04.27.2020 17:04 | 04.27.2020 17:04 | | | |
| | <i>Analyzed:</i> | 04.27.2020 17:32 | 04.27.2020 17:37 | 04.27.2020 17:43 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| Chloride | | 77.7 50.2 | 35.6 9.94 | 84.9 50.1 | | | |
| TPH by SW8015 Mod | <i>Extracted:</i> | 04.27.2020 17:00 | 04.27.2020 17:00 | 04.27.2020 17:00 | | | |
| | <i>Analyzed:</i> | 04.27.2020 19:04 | 04.27.2020 19:24 | 04.27.2020 19:44 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| Gasoline Range Hydrocarbons (GRO) | | <50.0 50.0 | <50.2 50.2 | <50.2 50.2 | | | |
| Diesel Range Organics (DRO) | | 94.8 50.0 | 148 50.2 | 190 50.2 | | | |
| Motor Oil Range Hydrocarbons (MRO) | | <50.0 50.0 | <50.2 50.2 | <50.2 50.2 | | | |
| Total GRO-DRO | | 94.8 50.0 | 148 50.2 | 190 50.2 | | | |
| Total TPH | | 94.8 50.0 | 148 50.2 | 190 50.2 | | | |

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

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

Jessica Kramer
Project Manager



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO

Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: SS01 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-001 | Date Collected: 04.27.2020 12:08 | Sample Depth: 0.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:04 | Basis: Wet Weight |
| Seq Number: 3124306 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 77.7 | 50.2 | mg/kg | 04.27.2020 17:32 | | 5 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.27.2020 17:00 |
| Seq Number: 3124321 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 04.27.2020 19:04 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 94.8 | 50.0 | mg/kg | 04.27.2020 19:04 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 04.27.2020 19:04 | U | 1 |
| Total GRO-DRO | PHC628 | 94.8 | 50.0 | mg/kg | 04.27.2020 19:04 | | 1 |
| Total TPH | PHC635 | 94.8 | 50.0 | mg/kg | 04.27.2020 19:04 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 106 | % | 70-135 | 04.27.2020 19:04 | |
| o-Terphenyl | 84-15-1 | 113 | % | 70-135 | 04.27.2020 19:04 | |



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO Corral Canyon Expansion

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: SS01 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-001 | Date Collected: 04.27.2020 12:08 | Sample Depth: 0.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5035A |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:40 | Basis: Wet Weight |
| Seq Number: 3124302 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 04.28.2020 00:31 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 04.28.2020 00:31 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 114 | % | 70-130 | 04.28.2020 00:31 | | |
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 04.28.2020 00:31 | | |



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: SS02 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-002 | Date Collected: 04.27.2020 13:00 | Sample Depth: 0.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:04 | Basis: Wet Weight |
| Seq Number: 3124306 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 35.6 | 9.94 | mg/kg | 04.27.2020 17:37 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.27.2020 17:00 |
| Seq Number: 3124321 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.27.2020 19:24 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 148 | 50.2 | mg/kg | 04.27.2020 19:24 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.27.2020 19:24 | U | 1 |
| Total GRO-DRO | PHC628 | 148 | 50.2 | mg/kg | 04.27.2020 19:24 | | 1 |
| Total TPH | PHC635 | 148 | 50.2 | mg/kg | 04.27.2020 19:24 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 104 | % | 70-135 | 04.27.2020 19:24 | |
| o-Terphenyl | 84-15-1 | 111 | % | 70-135 | 04.27.2020 19:24 | |



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO

Corral Canyon Expansion

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: SS02 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-002 | Date Collected: 04.27.2020 13:00 | Sample Depth: 0.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5035A |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:40 | Basis: Wet Weight |
| Seq Number: 3124302 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------|------------|---------|--------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 04.28.2020 00:53 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 04.28.2020 00:53 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 116 | % | 70-130 | 04.28.2020 00:53 | | |
| 4-Bromofluorobenzene | 460-00-4 | 105 | % | 70-130 | 04.28.2020 00:53 | | |



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: SS03 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-003 | Date Collected: 04.27.2020 13:20 | Sample Depth: 0.5 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:04 | Basis: Wet Weight |
| Seq Number: 3124306 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|-------------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 84.9 | 50.1 | mg/kg | 04.27.2020 17:43 | | 5 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.27.2020 17:00 |
| Seq Number: 3124321 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.27.2020 19:44 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | 190 | 50.2 | mg/kg | 04.27.2020 19:44 | | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.27.2020 19:44 | U | 1 |
| Total GRO-DRO | PHC628 | 190 | 50.2 | mg/kg | 04.27.2020 19:44 | | 1 |
| Total TPH | PHC635 | 190 | 50.2 | mg/kg | 04.27.2020 19:44 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 105 | % | 70-135 | 04.27.2020 19:44 | |
| o-Terphenyl | 84-15-1 | 111 | % | 70-135 | 04.27.2020 19:44 | |



Certificate of Analytical Results 659884

LT Environmental, Inc., Arvada, CO

Corral Canyon Expansion

| | | |
|--------------------------------------|----------------------------------|---------------------------------|
| Sample Id: SS03 | Matrix: Soil | Date Received: 04.27.2020 15:42 |
| Lab Sample Id: 659884-003 | Date Collected: 04.27.2020 13:20 | Sample Depth: 0.5 ft |
| Analytical Method: BTEX by EPA 8021B | | Prep Method: SW5035A |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.27.2020 17:40 | Basis: Wet Weight |
| Seq Number: 3124302 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 04.28.2020 01:14 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 04.28.2020 01:14 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 04.28.2020 01:14 | | |
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 04.28.2020 01:14 | | |



LT Environmental, Inc.
Corral Canyon Expansion

Analytical Method: Chloride by EPA 300

Seq Number: 3124306
MB Sample Id: 7702149-1-BLK

Matrix: Solid
LCS Sample Id: 7702149-1-BKS

Prep Method: E300P
Date Prep: 04.27.2020
LCSD Sample Id: 7702149-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <10.0 | 250 | 250 | 100 | 250 | 100 | 90-110 | 0 | 20 | mg/kg | 04.27.2020 16:26 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124306
Parent Sample Id: 659876-001

Matrix: Soil
MS Sample Id: 659876-001 S

Prep Method: E300P
Date Prep: 04.27.2020
MSD Sample Id: 659876-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 1230 | 201 | 1410 | 90 | 1420 | 95 | 90-110 | 1 | 20 | mg/kg | 04.27.2020 16:43 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124306
Parent Sample Id: 659890-002

Matrix: Soil
MS Sample Id: 659890-002 S

Prep Method: E300P
Date Prep: 04.27.2020
MSD Sample Id: 659890-002 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 330 | 199 | 548 | 110 | 548 | 110 | 90-110 | 0 | 20 | mg/kg | 04.27.2020 17:59 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124321
MB Sample Id: 7702167-1-BLK

Matrix: Solid
LCS Sample Id: 7702167-1-BKS

Prep Method: SW8015P
Date Prep: 04.27.2020
LCSD Sample Id: 7702167-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 858 | 86 | 967 | 97 | 70-135 | 12 | 35 | mg/kg | 04.27.2020 13:00 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 958 | 96 | 1090 | 109 | 70-135 | 13 | 35 | mg/kg | 04.27.2020 13:00 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 121 | | 127 | | 132 | | 70-135 | % | 04.27.2020 13:00 |
| o-Terphenyl | 131 | | 127 | | 122 | | 70-135 | % | 04.27.2020 13:00 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124321

Matrix: Solid
MB Sample Id: 7702167-1-BLK

Prep Method: SW8015P
Date Prep: 04.27.2020

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 04.27.2020 12:40 | |

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

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

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

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



LT Environmental, Inc.
Corral Canyon Expansion

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124321
Parent Sample Id: 659819-001

Matrix: Soil
MS Sample Id: 659819-001 S

Prep Method: SW8015P
Date Prep: 04.27.2020
MSD Sample Id: 659819-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.3 | 1010 | 935 | 93 | 935 | 94 | 70-135 | 0 | 35 | mg/kg | 04.27.2020 14:01 | |
| Diesel Range Organics (DRO) | <50.3 | 1010 | 1060 | 105 | 1060 | 106 | 70-135 | 0 | 35 | mg/kg | 04.27.2020 14:01 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 118 | | 114 | | 70-135 | % | 04.27.2020 14:01 |
| o-Terphenyl | 115 | | 114 | | 70-135 | % | 04.27.2020 14:01 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124302
MB Sample Id: 7702139-1-BLK

Matrix: Solid
LCS Sample Id: 7702139-1-BKS

Prep Method: SW5035A
Date Prep: 04.27.2020
LCSD Sample Id: 7702139-1-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 | 0.114 | 114 | 0.123 | 123 | 70-130 | 8 | 35 | mg/kg | 04.27.2020 22:02 | |
| Toluene | <0.00200 | 0.100 | 0.101 | 101 | 0.112 | 112 | 70-130 | 10 | 35 | mg/kg | 04.27.2020 22:02 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0950 | 95 | 0.104 | 104 | 71-129 | 9 | 35 | mg/kg | 04.27.2020 22:02 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.185 | 93 | 0.201 | 101 | 70-135 | 8 | 35 | mg/kg | 04.27.2020 22:02 | |
| o-Xylene | <0.00200 | 0.100 | 0.0953 | 95 | 0.105 | 105 | 71-133 | 10 | 35 | mg/kg | 04.27.2020 22:02 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 114 | | 108 | | 111 | | 70-130 | % | 04.27.2020 22:02 |
| 4-Bromofluorobenzene | 106 | | 96 | | 97 | | 70-130 | % | 04.27.2020 22:02 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124302
Parent Sample Id: 659820-011

Matrix: Soil
MS Sample Id: 659820-011 S

Prep Method: SW5035A
Date Prep: 04.27.2020
MSD Sample Id: 659820-011 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 | 0.130 | 130 | 0.129 | 129 | 70-130 | 1 | 35 | mg/kg | 04.27.2020 22:44 | |
| Toluene | <0.00200 | 0.0998 | 0.114 | 114 | 0.114 | 114 | 70-130 | 0 | 35 | mg/kg | 04.27.2020 22:44 | |
| Ethylbenzene | <0.00200 | 0.0998 | 0.107 | 107 | 0.106 | 106 | 71-129 | 1 | 35 | mg/kg | 04.27.2020 22:44 | |
| m,p-Xylenes | <0.00399 | 0.200 | 0.207 | 104 | 0.205 | 103 | 70-135 | 1 | 35 | mg/kg | 04.27.2020 22:44 | |
| o-Xylene | <0.00200 | 0.0998 | 0.107 | 107 | 0.105 | 105 | 71-133 | 2 | 35 | mg/kg | 04.27.2020 22:44 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 111 | | 109 | | 70-130 | % | 04.27.2020 22:44 |
| 4-Bromofluorobenzene | 98 | | 100 | | 70-130 | % | 04.27.2020 22:44 |

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

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

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

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



Certificate of Analysis Summary 660344

LT Environmental, Inc., Arvada, CO

Project Name: The Corral Canyon Expansion

Project Id: 012920053
Contact: Tacoma Morrissey
Project Location:

Date Received in Lab: Thu 04.30.2020 17:13
Report Date: 05.06.2020 07:48
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 660344-001 | 660344-002 | 660344-003 | 660344-004 | 660344-005 | 660344-006 | | | | | |
|------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------|-------|------|-------|------|
| | <i>Field Id:</i> | PH01 | PH01A | PH02 | PH02A | PH03 | PH03A | | | | | |
| | <i>Depth:</i> | 1- ft | 2- ft | 1- ft | 2- ft | 1- ft | 2- ft | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | | | | | |
| | <i>Sampled:</i> | 04.30.2020 09:23 | 04.30.2020 09:25 | 04.30.2020 09:33 | 04.30.2020 09:38 | 04.30.2020 09:43 | 04.30.2020 09:45 | | | | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | 05.01.2020 11:30 | 05.01.2020 11:30 | 05.01.2020 11:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | | | | | |
| | <i>Analyzed:</i> | 05.01.2020 13:27 | 05.01.2020 13:48 | 05.01.2020 14:10 | 05.01.2020 03:10 | 05.01.2020 03:31 | 05.01.2020 03:52 | | | | | |
| | <i>Units/RL:</i> | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | | |
| | | RL | RL | RL | RL | RL | RL | | | | | |
| Benzene | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| Toluene | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| Ethylbenzene | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| m,p-Xylenes | <0.00402 | 0.00402 | <0.00400 | 0.00400 | <0.00397 | 0.00397 | <0.00398 | 0.00398 | | | | |
| o-Xylene | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| Total Xylenes | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| Total BTEX | <0.00201 | 0.00201 | <0.00200 | 0.00200 | <0.00198 | 0.00198 | <0.00199 | 0.00199 | | | | |
| Chloride by EPA 300 | <i>Extracted:</i> | 04.30.2020 17:48 | 04.30.2020 17:48 | 04.30.2020 17:48 | 04.30.2020 17:48 | 05.01.2020 07:59 | 05.01.2020 07:59 | | | | | |
| | <i>Analyzed:</i> | 04.30.2020 22:48 | 04.30.2020 22:53 | 04.30.2020 22:59 | 04.30.2020 23:05 | 05.01.2020 08:49 | 05.01.2020 09:06 | | | | | |
| | <i>Units/RL:</i> | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | | |
| | | RL | RL | RL | RL | RL | RL | | | | | |
| Chloride | 175 | 10.0 | 33.4 | 9.90 | 141 | 9.88 | 14.6 | 9.92 | 51.2 | 9.92 | 33.2 | 9.98 |
| TPH by SW8015 Mod | <i>Extracted:</i> | 04.30.2020 17:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | 04.30.2020 17:30 | | | | | |
| | <i>Analyzed:</i> | 04.30.2020 19:18 | 04.30.2020 19:18 | 04.30.2020 20:19 | 04.30.2020 20:40 | 04.30.2020 21:00 | 04.30.2020 21:21 | | | | | |
| | <i>Units/RL:</i> | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | | |
| | | RL | RL | RL | RL | RL | RL | | | | | |
| Gasoline Range Hydrocarbons (GRO) | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.2 | 50.2 | <50.1 | 50.1 | <50.0 | 50.0 |
| Diesel Range Organics (DRO) | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.2 | 50.2 | <50.1 | 50.1 | <50.0 | 50.0 |
| Motor Oil Range Hydrocarbons (MRO) | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.2 | 50.2 | <50.1 | 50.1 | <50.0 | 50.0 |
| Total GRO-DRO | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.2 | 50.2 | <50.1 | 50.1 | <50.0 | 50.0 |
| Total TPH | <50.2 | 50.2 | <50.0 | 50.0 | <50.2 | 50.2 | <50.2 | 50.2 | <50.1 | 50.1 | <50.0 | 50.0 |

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

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

Jessica Kramer
Project Manager



Analytical Report 660344

for

LT Environmental, Inc.

Project Manager: Tacoma Morrissey

The Corral Canyon Expansion

012920053

05.06.2020

Collected By: Client

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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
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)



05.06.2020

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

Reference: XENCO Report No(s): **660344**
The Corral Canyon Expansion
Project Address:

Tacoma Morrissey:

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) 660344. 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. 660344 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| PH01 | S | 04.30.2020 09:23 | 1 ft | 660344-001 |
| PH01A | S | 04.30.2020 09:25 | 2 ft | 660344-002 |
| PH02 | S | 04.30.2020 09:33 | 1 ft | 660344-003 |
| PH02A | S | 04.30.2020 09:38 | 2 ft | 660344-004 |
| PH03 | S | 04.30.2020 09:43 | 1 ft | 660344-005 |
| PH03A | S | 04.30.2020 09:45 | 2 ft | 660344-006 |



CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: The Corral Canyon Expansion

Project ID: 012920053
Work Order Number(s): 660344

Report Date: 05.06.2020
Date Received: 04.30.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: PH01 | Matrix: Soil | Date Received: 04.30.2020 17:13 |
| Lab Sample Id: 660344-001 | Date Collected: 04.30.2020 09:23 | Sample Depth: 1 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.30.2020 17:48 | Basis: Wet Weight |
| Seq Number: 3124742 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 175 | 10.0 | mg/kg | 04.30.2020 22:48 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.30.2020 17:30 |
| Seq Number: 3124745 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Total GRO-DRO | PHC628 | <50.2 | 50.2 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 04.30.2020 19:18 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 99 | % | 70-135 | 04.30.2020 19:18 | |
| o-Terphenyl | 84-15-1 | 105 | % | 70-135 | 04.30.2020 19:18 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH01**
 Lab Sample Id: 660344-001

Matrix: Soil
 Date Collected: 04.30.2020 09:23

Date Received: 04.30.2020 17:13
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 05.01.2020 11:30

Basis: Wet Weight

Seq Number: 3124843

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 05.01.2020 13:27 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 05.01.2020 13:27 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 113 | % | 70-130 | 05.01.2020 13:27 | | |
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 05.01.2020 13:27 | | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH01A**
 Lab Sample Id: 660344-002

Matrix: Soil
 Date Collected: 04.30.2020 09:25

Date Received: 04.30.2020 17:13
 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300

Tech: MAB

Analyst: MAB

Seq Number: 3124742

Date Prep: 04.30.2020 17:48

Prep Method: E300P

% Moisture:

Basis: Wet Weight

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 33.4 | 9.90 | mg/kg | 04.30.2020 22:53 | | 1 |

Analytical Method: TPH by SW8015 Mod

Tech: DTH

Analyst: DTH

Seq Number: 3124749

Date Prep: 04.30.2020 17:30

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Total GRO-DRO | PHC628 | <50.0 | 50.0 | mg/kg | 04.30.2020 19:18 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 04.30.2020 19:18 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 107 | % | 70-135 | 04.30.2020 19:18 | |
| o-Terphenyl | 84-15-1 | 118 | % | 70-135 | 04.30.2020 19:18 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH01A**
 Lab Sample Id: 660344-002

Matrix: Soil
 Date Collected: 04.30.2020 09:25

Date Received: 04.30.2020 17:13
 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 05.01.2020 11:30

Basis: Wet Weight

Seq Number: 3124843

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00400 | 0.00400 | mg/kg | 05.01.2020 13:48 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 05.01.2020 13:48 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 05.01.2020 13:48 | |
| 1,4-Difluorobenzene | 540-36-3 | 113 | % | 70-130 | 05.01.2020 13:48 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: PH02 | Matrix: Soil | Date Received: 04.30.2020 17:13 |
| Lab Sample Id: 660344-003 | Date Collected: 04.30.2020 09:33 | Sample Depth: 1 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.30.2020 17:48 | Basis: Wet Weight |
| Seq Number: 3124742 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 141 | 9.88 | mg/kg | 04.30.2020 22:59 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.30.2020 17:30 |
| Seq Number: 3124749 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:19 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 04.30.2020 20:19 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:19 | U | 1 |
| Total GRO-DRO | PHC628 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:19 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:19 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 101 | % | 70-135 | 04.30.2020 20:19 | |
| o-Terphenyl | 84-15-1 | 110 | % | 70-135 | 04.30.2020 20:19 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH02**
 Lab Sample Id: 660344-003

Matrix: Soil
 Date Collected: 04.30.2020 09:33

Date Received: 04.30.2020 17:13
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 05.01.2020 11:30

Basis: Wet Weight

Seq Number: 3124843

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| Toluene | 108-88-3 | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00397 | 0.00397 | mg/kg | 05.01.2020 14:10 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| Total BTEX | | <0.00198 | 0.00198 | mg/kg | 05.01.2020 14:10 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 113 | % | 70-130 | 05.01.2020 14:10 | | |
| 1,4-Difluorobenzene | 540-36-3 | 117 | % | 70-130 | 05.01.2020 14:10 | | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

| | | |
|--|----------------------------------|---------------------------------|
| Sample Id: PH02A | Matrix: Soil | Date Received: 04.30.2020 17:13 |
| Lab Sample Id: 660344-004 | Date Collected: 04.30.2020 09:38 | Sample Depth: 2 ft |
| Analytical Method: Chloride by EPA 300 | | Prep Method: E300P |
| Tech: MAB | | % Moisture: |
| Analyst: MAB | Date Prep: 04.30.2020 17:48 | Basis: Wet Weight |
| Seq Number: 3124742 | | |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 14.6 | 9.92 | mg/kg | 04.30.2020 23:05 | | 1 |

| | |
|--------------------------------------|-----------------------------|
| Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P |
| Tech: DTH | % Moisture: |
| Analyst: DTH | Date Prep: 04.30.2020 17:30 |
| Seq Number: 3124749 | Basis: Wet Weight |

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:40 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.2 | 50.2 | mg/kg | 04.30.2020 20:40 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:40 | U | 1 |
| Total GRO-DRO | PHC628 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:40 | U | 1 |
| Total TPH | PHC635 | <50.2 | 50.2 | mg/kg | 04.30.2020 20:40 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 89 | % | 70-135 | 04.30.2020 20:40 | |
| o-Terphenyl | 84-15-1 | 96 | % | 70-135 | 04.30.2020 20:40 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH02A**
 Lab Sample Id: 660344-004

Matrix: Soil
 Date Collected: 04.30.2020 09:38

Date Received: 04.30.2020 17:13
 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 04.30.2020 17:30

Basis: Wet Weight

Seq Number: 3124718

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 05.01.2020 03:10 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:10 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 05.01.2020 03:10 | |
| 4-Bromofluorobenzene | 460-00-4 | 111 | % | 70-130 | 05.01.2020 03:10 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH03**
 Lab Sample Id: 660344-005

Matrix: Soil
 Date Collected: 04.30.2020 09:43

Date Received: 04.30.2020 17:13
 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 05.01.2020 07:59

Basis: Wet Weight

Seq Number: 3124857

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 51.2 | 9.92 | mg/kg | 05.01.2020 08:49 | | 1 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DTH

% Moisture:

Analyst: DTH

Date Prep: 04.30.2020 17:30

Basis: Wet Weight

Seq Number: 3124749

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.1 | 50.1 | mg/kg | 04.30.2020 21:00 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.1 | 50.1 | mg/kg | 04.30.2020 21:00 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.1 | 50.1 | mg/kg | 04.30.2020 21:00 | U | 1 |
| Total GRO-DRO | PHC628 | <50.1 | 50.1 | mg/kg | 04.30.2020 21:00 | U | 1 |
| Total TPH | PHC635 | <50.1 | 50.1 | mg/kg | 04.30.2020 21:00 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 84 | % | 70-135 | 04.30.2020 21:00 | |
| o-Terphenyl | 84-15-1 | 92 | % | 70-135 | 04.30.2020 21:00 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH03**
 Lab Sample Id: 660344-005

Matrix: Soil
 Date Collected: 04.30.2020 09:43

Date Received: 04.30.2020 17:13
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 04.30.2020 17:30

Basis: Wet Weight

Seq Number: 3124718

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |
| Toluene | 108-88-3 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00399 | 0.00399 | mg/kg | 05.01.2020 03:31 | U | 1 |
| o-Xylene | 95-47-6 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |
| Total BTEX | | <0.00200 | 0.00200 | mg/kg | 05.01.2020 03:31 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 1,4-Difluorobenzene | 540-36-3 | 114 | % | 70-130 | 05.01.2020 03:31 | |
| 4-Bromofluorobenzene | 460-00-4 | 108 | % | 70-130 | 05.01.2020 03:31 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH03A**
 Lab Sample Id: 660344-006

Matrix: Soil
 Date Collected: 04.30.2020 09:45

Date Received: 04.30.2020 17:13
 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 05.01.2020 07:59

Basis: Wet Weight

Seq Number: 3124857

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 33.2 | 9.98 | mg/kg | 05.01.2020 09:06 | | 1 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DTH

% Moisture:

Analyst: DTH

Date Prep: 04.30.2020 17:30

Basis: Wet Weight

Seq Number: 3124749

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 04.30.2020 21:21 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 04.30.2020 21:21 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 04.30.2020 21:21 | U | 1 |
| Total GRO-DRO | PHC628 | <50.0 | 50.0 | mg/kg | 04.30.2020 21:21 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 04.30.2020 21:21 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 90 | % | 70-135 | 04.30.2020 21:21 | |
| o-Terphenyl | 84-15-1 | 99 | % | 70-135 | 04.30.2020 21:21 | |



Certificate of Analytical Results 660344

LT Environmental, Inc., Arvada, CO

The Corral Canyon Expansion

Sample Id: **PH03A**
 Lab Sample Id: 660344-006

Matrix: Soil
 Date Collected: 04.30.2020 09:45

Date Received: 04.30.2020 17:13
 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 04.30.2020 17:30

Basis: Wet Weight

Seq Number: 3124718

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |
| Toluene | 108-88-3 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 05.01.2020 03:52 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |
| Total BTEX | | <0.00199 | 0.00199 | mg/kg | 05.01.2020 03:52 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 1,4-Difluorobenzene | 540-36-3 | 114 | % | 70-130 | 05.01.2020 03:52 | |
| 4-Bromofluorobenzene | 460-00-4 | 106 | % | 70-130 | 05.01.2020 03:52 | |



QC Summary 660344

LT Environmental, Inc. The Corral Canyon Expansion

Analytical Method: Chloride by EPA 300

Seq Number: 3124742
MB Sample Id: 7702475-1-BLK

Matrix: Solid
LCS Sample Id: 7702475-1-BKS

Prep Method: E300P
Date Prep: 04.30.2020
LCSD Sample Id: 7702475-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <10.0 | 250 | 257 | 103 | 257 | 103 | 90-110 | 0 | 20 | mg/kg | 04.30.2020 20:20 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124857
MB Sample Id: 7702477-1-BLK

Matrix: Solid
LCS Sample Id: 7702477-1-BKS

Prep Method: E300P
Date Prep: 05.01.2020
LCSD Sample Id: 7702477-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <10.0 | 250 | 260 | 104 | 260 | 104 | 90-110 | 0 | 20 | mg/kg | 05.01.2020 08:37 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124742
Parent Sample Id: 660346-001

Matrix: Soil
MS Sample Id: 660346-001 S

Prep Method: E300P
Date Prep: 04.30.2020
MSD Sample Id: 660346-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 189 | 200 | 393 | 102 | 391 | 101 | 90-110 | 1 | 20 | mg/kg | 04.30.2020 20:37 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124742
Parent Sample Id: 660346-011

Matrix: Soil
MS Sample Id: 660346-011 S

Prep Method: E300P
Date Prep: 04.30.2020
MSD Sample Id: 660346-011 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 105 | 200 | 317 | 106 | 308 | 102 | 90-110 | 3 | 20 | mg/kg | 04.30.2020 21:57 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124857
Parent Sample Id: 660344-005

Matrix: Soil
MS Sample Id: 660344-005 S

Prep Method: E300P
Date Prep: 05.01.2020
MSD Sample Id: 660344-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 51.2 | 199 | 258 | 104 | 263 | 106 | 90-110 | 2 | 20 | mg/kg | 05.01.2020 08:54 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3124857
Parent Sample Id: 660345-009

Matrix: Soil
MS Sample Id: 660345-009 S

Prep Method: E300P
Date Prep: 05.01.2020
MSD Sample Id: 660345-009 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 12.0 | 199 | 221 | 105 | 228 | 109 | 90-110 | 3 | 20 | mg/kg | 05.01.2020 10:14 | |

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

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

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

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



LT Environmental, Inc.
The Corral Canyon Expansion

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124745

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.30.2020

MB Sample Id: 7702485-1-BLK

LCS Sample Id: 7702485-1-BKS

LCSD Sample Id: 7702485-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 1090 | 109 | 857 | 86 | 70-135 | 24 | 35 | mg/kg | 04.30.2020 12:30 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1120 | 112 | 961 | 96 | 70-135 | 15 | 35 | mg/kg | 04.30.2020 12:30 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 94 | | 127 | | 111 | | 70-135 | % | 04.30.2020 12:30 |
| o-Terphenyl | 101 | | 120 | | 108 | | 70-135 | % | 04.30.2020 12:30 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124749

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.30.2020

MB Sample Id: 7702481-1-BLK

LCS Sample Id: 7702481-1-BKS

LCSD Sample Id: 7702481-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 951 | 95 | 839 | 84 | 70-135 | 13 | 35 | mg/kg | 04.30.2020 12:30 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1070 | 107 | 921 | 92 | 70-135 | 15 | 35 | mg/kg | 04.30.2020 12:30 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 99 | | 123 | | 120 | | 70-135 | % | 04.30.2020 12:30 |
| o-Terphenyl | 109 | | 122 | | 106 | | 70-135 | % | 04.30.2020 12:30 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124745

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.30.2020

MB Sample Id: 7702485-1-BLK

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 04.30.2020 12:10 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124749

Matrix: Solid

Prep Method: SW8015P

Date Prep: 04.30.2020

MB Sample Id: 7702481-1-BLK

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 04.30.2020 12:10 | |

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

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

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

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



LT Environmental, Inc.
The Corral Canyon Expansion

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124745
Parent Sample Id: 660344-001

Matrix: Soil
MS Sample Id: 660344-001 S

Prep Method: SW8015P
Date Prep: 04.30.2020
MSD Sample Id: 660344-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.3 | 1010 | 916 | 91 | 928 | 93 | 70-135 | 1 | 35 | mg/kg | 04.30.2020 19:38 | |
| Diesel Range Organics (DRO) | <50.3 | 1010 | 1020 | 101 | 1040 | 104 | 70-135 | 2 | 35 | mg/kg | 04.30.2020 19:38 | |

Surrogate

| | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 116 | | 118 | | 70-135 | % | 04.30.2020 19:38 |
| o-Terphenyl | 115 | | 118 | | 70-135 | % | 04.30.2020 19:38 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3124749
Parent Sample Id: 660344-002

Matrix: Soil
MS Sample Id: 660344-002 S

Prep Method: SW8015P
Date Prep: 04.30.2020
MSD Sample Id: 660344-002 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) | <49.8 | 995 | 888 | 89 | 888 | 89 | 70-135 | 0 | 35 | mg/kg | 04.30.2020 19:38 | |
| Diesel Range Organics (DRO) | <49.8 | 995 | 1000 | 101 | 1000 | 100 | 70-135 | 0 | 35 | mg/kg | 04.30.2020 19:38 | |

Surrogate

| | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 116 | | 109 | | 70-135 | % | 04.30.2020 19:38 |
| o-Terphenyl | 115 | | 114 | | 70-135 | % | 04.30.2020 19:38 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124718
MB Sample Id: 7702473-1-BLK

Matrix: Solid
LCS Sample Id: 7702473-1-BKS

Prep Method: SW5035A
Date Prep: 04.30.2020
LCSD Sample Id: 7702473-1-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 | 0.0978 | 98 | 0.106 | 106 | 70-130 | 8 | 35 | mg/kg | 04.30.2020 18:36 | |
| Toluene | <0.00200 | 0.100 | 0.0899 | 90 | 0.0974 | 97 | 70-130 | 8 | 35 | mg/kg | 04.30.2020 18:36 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0829 | 83 | 0.0909 | 91 | 71-129 | 9 | 35 | mg/kg | 04.30.2020 18:36 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.164 | 82 | 0.178 | 89 | 70-135 | 8 | 35 | mg/kg | 04.30.2020 18:36 | |
| o-Xylene | <0.00200 | 0.100 | 0.0880 | 88 | 0.0951 | 95 | 71-133 | 8 | 35 | mg/kg | 04.30.2020 18:36 | |

Surrogate

| | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 112 | | 110 | | 108 | | 70-130 | % | 04.30.2020 18:36 |
| 4-Bromofluorobenzene | 102 | | 101 | | 97 | | 70-130 | % | 04.30.2020 18:36 |

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

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

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

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



LT Environmental, Inc.
The Corral Canyon Expansion

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124843

MB Sample Id: 7702532-1-BLK

Matrix: Solid

LCS Sample Id: 7702532-1-BKS

Prep Method: SW5035A

Date Prep: 05.01.2020

LCSD Sample Id: 7702532-1-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 | 0.108 | 108 | 0.113 | 113 | 70-130 | 5 | 35 | mg/kg | 05.01.2020 11:40 | |
| Toluene | <0.00200 | 0.100 | 0.0998 | 100 | 0.109 | 109 | 70-130 | 9 | 35 | mg/kg | 05.01.2020 11:40 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0942 | 94 | 0.101 | 101 | 71-129 | 7 | 35 | mg/kg | 05.01.2020 11:40 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.184 | 92 | 0.200 | 100 | 70-135 | 8 | 35 | mg/kg | 05.01.2020 11:40 | |
| o-Xylene | <0.00200 | 0.100 | 0.0955 | 96 | 0.103 | 103 | 71-133 | 8 | 35 | mg/kg | 05.01.2020 11:40 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 113 | | 108 | | 107 | | 70-130 | % | 05.01.2020 11:40 |
| 4-Bromofluorobenzene | 107 | | 99 | | 101 | | 70-130 | % | 05.01.2020 11:40 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124718

Parent Sample Id: 660346-003

Matrix: Soil

MS Sample Id: 660346-003 S

Prep Method: SW5035A

Date Prep: 04.30.2020

MSD Sample Id: 660346-003 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00202 | 0.101 | 0.105 | 104 | 0.104 | 104 | 70-130 | 1 | 35 | mg/kg | 04.30.2020 19:19 | |
| Toluene | <0.00202 | 0.101 | 0.0947 | 94 | 0.0956 | 96 | 70-130 | 1 | 35 | mg/kg | 04.30.2020 19:19 | |
| Ethylbenzene | <0.00202 | 0.101 | 0.0865 | 86 | 0.0868 | 87 | 71-129 | 0 | 35 | mg/kg | 04.30.2020 19:19 | |
| m,p-Xylenes | <0.00403 | 0.202 | 0.166 | 82 | 0.168 | 84 | 70-135 | 1 | 35 | mg/kg | 04.30.2020 19:19 | |
| o-Xylene | <0.00202 | 0.101 | 0.0836 | 83 | 0.0843 | 84 | 71-133 | 1 | 35 | mg/kg | 04.30.2020 19:19 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 110 | | 107 | | 70-130 | % | 04.30.2020 19:19 |
| 4-Bromofluorobenzene | 100 | | 107 | | 70-130 | % | 04.30.2020 19:19 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3124843

Parent Sample Id: 660344-001

Matrix: Soil

MS Sample Id: 660344-001 S

Prep Method: SW5035A

Date Prep: 05.01.2020

MSD Sample Id: 660344-001 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 | 0.0952 | 95 | 70-130 | 21 | 35 | mg/kg | 05.01.2020 17:01 | |
| Toluene | <0.00200 | 0.100 | 0.105 | 105 | 0.0864 | 86 | 70-130 | 19 | 35 | mg/kg | 05.01.2020 17:01 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0986 | 99 | 0.0812 | 81 | 71-129 | 19 | 35 | mg/kg | 05.01.2020 17:01 | |
| m,p-Xylenes | <0.00401 | 0.200 | 0.191 | 96 | 0.159 | 80 | 70-135 | 18 | 35 | mg/kg | 05.01.2020 17:01 | |
| o-Xylene | <0.00200 | 0.100 | 0.0999 | 100 | 0.0817 | 82 | 71-133 | 20 | 35 | mg/kg | 05.01.2020 17:01 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 110 | | 111 | | 70-130 | % | 05.01.2020 17:01 |
| 4-Bromofluorobenzene | 100 | | 103 | | 70-130 | % | 05.01.2020 17:01 |

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

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

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

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

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 04.30.2020 05.13.00 PM

Work Order #: 660344

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

| Sample Receipt Checklist | | Comments |
|---|-----|-------------------------------------|
| #1 *Temperature of cooler(s)? | 1.8 | |
| #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:


Elizabeth McClellan

Date: 04.30.2020

Checklist reviewed by:


Jessica Kramer

Date: 05.01.2020