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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NRH2002732419
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 32.152497 Longitude -103.983436
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Corral Canyon Fed 008H	Site Type Well Location
Date Release Discovered 12/13/2019	API# *(if applicable)* 30-015-43709 (Corral Canyon Fed #008H)

Unit Letter	Section	Township	Range	County
P	4	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)

☒ Crude Oil	Volume Released (bbls) 8.0	Volume Recovered (bbls) 5.0
☒ Produced Water	Volume Released (bbls) 24.8	Volume Recovered (bbls) 1.0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: When commissioning the well, the flowline was tied to the wrong drop in the header, resulting in a leak. This resulted in a spill of approximately 32.8 bbls total fluid on the ground 8 bbls of crude oil and 24.8 bbls of produced water, 6 bbls of fluid was recovered and hauled to disposal. Additional third party resources have been retained to assist in the remediation.

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? YES – An unauthorized release of fluid over 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
YES, by Kyle Littrell : Mike Bratcher; Rob Hamlet; Victoria Venegas; 'Griswold, Jim, EMNRD'; blm_nm_cfo_spill@blm.gov; Crisha Morgan ; by email December 14, 2019 1:28 PM

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

N/A

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: 12/20/19

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Robert Hamlet Date: 1/27/2020

Incident ID	NRH2002732419
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRH2002732419
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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: 7/3/20

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

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRH2002732419
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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: 7/3/20

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

OCD Only

Received by: Chad Hensley Date: 04/19/2021

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: Chad Hensley Date: 04/19/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

LT Environmental, Inc.
3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

July 3, 2020

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

RE: Closure Request
Corral Canyon Fed 008H
Incident Number NRH2002732419
Eddy County, New Mexico

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and remediation activities at the Corral Canyon Fed 008H (Site) in Unit P Section 4, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment soil sampling, and remediation activities was to confirm the presence or absence of impacts to soil following the release of crude oil and produced water at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRH2002732419.

RELEASE BACKGROUND

On December 13, 2019, a flowline was incorrectly tied into the wrong drop in the header resulting in the release of approximately 8.0 barrels (bbls) of crude oil and 24.8 bbls of produced water onto the caliche well pad and the pasture area. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids; approximately 6 bbls of crude oil and produced water were recovered. 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 December 20, 2019 and was subsequently assigned Incident Number NRH2002732419.

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 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater wells with depth to groundwater data is New Mexico Office of the State Engineer (NM OSE) wells #C04324, Pod 6, Pod 8, Pod 9, Pod 10, Pod 11, and Pod 12, located approximately 4,203 feet west and topographically downgradient of the Site. The groundwater wells have a

reported depth to groundwater range between of 60 feet bgs and 65 feet bgs and a total depth between 61 feet bgs and 72 feet bgs. Just more than 1.5 miles to the northeast is a United States Geological Survey (USGS) water well number 320956103574301 with depth to water of 98 feet. Seven available data points distributed in two directions around the Site demonstrate regional consistency in depth to water between 50 and 100 feet bgs. Additionally, there are no surface features indicative of shallow groundwater, including wetlands, springs, vegetation, or surface water. The Site is on the flank of a shallow slope. The referenced well records are in Attachment 1. All wells used for depth to groundwater determination are depicted on Figure 1.

The closest continuously flowing water or significant watercourse to the Site is an unnamed dry wash, located approximately 1,080 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

Additionally, a closure criteria of 600 mg/kg chloride was applied to the undeveloped pasture off the pad that was impacted by the release, per NMAC 19.15.29.13.D (1).

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On December 23, 2019, LTE personnel visited the Site to evaluate the release extent. The release extent was mapped utilizing a handheld Global Positing System (GPS). The release occurred on the caliche well pad and overflowed into the pasture area and caliche road. LTE personnel collected and field screened preliminary soil assessment samples at seven locations (SS01 through SS07) within the release extent. The release extent and the preliminary soil sample locations are presented on Figure 2. Visually impacted soil was located on the caliche well pad,

pasture, and caliche road. Photographic documentation was conducted during the initial site visit and photos are included in a photographic log in Attachment 2.

The preliminary soil samples were collected at a depth of 0.5 feet bgs and were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

According to laboratory analytical results, benzene, BTEX, TPH-GRO and TPH-DRO, TPH and/or chloride were reported at concentrations not compliant with the Closure Criteria in the preliminary assessment soil samples all samples except SS05. Laboratory analytical reports are provided in Attachment 3. Based on visible staining in the release areas, field screening results, and laboratory analytical results, remediation to address the staining appeared to be warranted for the release area.

EXCAVATION AND DELINEATION SOIL SAMPLING ACTIVITIES

Between June 3, and June 11, 2020, LTE oversaw excavation activities to remediate impacted soil as indicated by visual observation, field screening results, and preliminary soil sample results. Excavation activities were performed with a track-mounted backhoe and with a hydrovac near production equipment. The excavation extent is presented on Figure 3.

Following removal of impacted soil, LTE collected 5-point composite soil samples at least every 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the sample by thoroughly mixing. A total of 24 composite floor samples (FS01 through FS24) and 21 composite sidewall samples (SW01 through SW21) were collected from the excavation. Floor samples were collected at depths of 1 foot bgs and 4 feet bgs. No sidewall samples were collected in the northern portion of the excavation that was only 1 foot in depth. In that area, floor samples were collected to represent the floor and sidewall material. Sample SW09 and subsequent sample SW21 were collected from the northern wall of the excavation that exceeded 1 foot in depth. The excavation soil samples were collected, handled, and analyzed as described above. The locations of final excavation confirmation samples are presented in Figure 3.

The excavation extent totaled approximately 4,800 square feet and approximately 486 cubic yards of impacted soil were removed. The impacted soil was transported and properly disposed

of at the R360 Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples collected on pad, in the pasture, and adjacent to the road contained GRO/DRO and TPH concentrations exceeding Closure Criteria. Samples collected in the pasture and road also contained chloride concentrations exceeding 600 mg/kg (the Reclamation Standard).

Following excavation of impacted soil, laboratory analytical results for all excavation confirmation samples, except SW09, indicated that BTEX, GRO/DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Excavation sidewall sample SW09 initially exceeded a TPH concentration of 100 mg/kg. Additional soil was removed from this area and sidewall sample SW21, collected from the final excavation extent, was compliant with the Closure Criteria. Additionally, samples collected from the top 4 feet of of the subsurface in pasture and road areas contained chloride concentrations below 600 mg/kg in samples. Laboratory analytical results for the excavation soil samples are summarized in Table 1.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the December 13, 2019, release of crude oil and produced water. Based on the laboratory analytical results for the preliminary soil samples, impacted soil was excavated. Laboratory analytical results for excavation soil samples collected from the final excavation extent indicated that BTEX, GRO/DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, chloride concentrations were below 600 mg/kg in excavation soil samples collected from the top four feet of the subsurface in the pasture and road areas. Based on the excavation soil sample analytical results, no further remediation was required. Initial response efforts and excavation of impacted soil have mitigated impacts at this Site. XTO requests no further action for Incident Number NRH2002732419. XTO has backfilled the excavations with material purchased locally and recontour the Site to match pre-existing Site conditions.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Spencer Lo
Staff Geologist

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

Attachments:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports

FIGURES

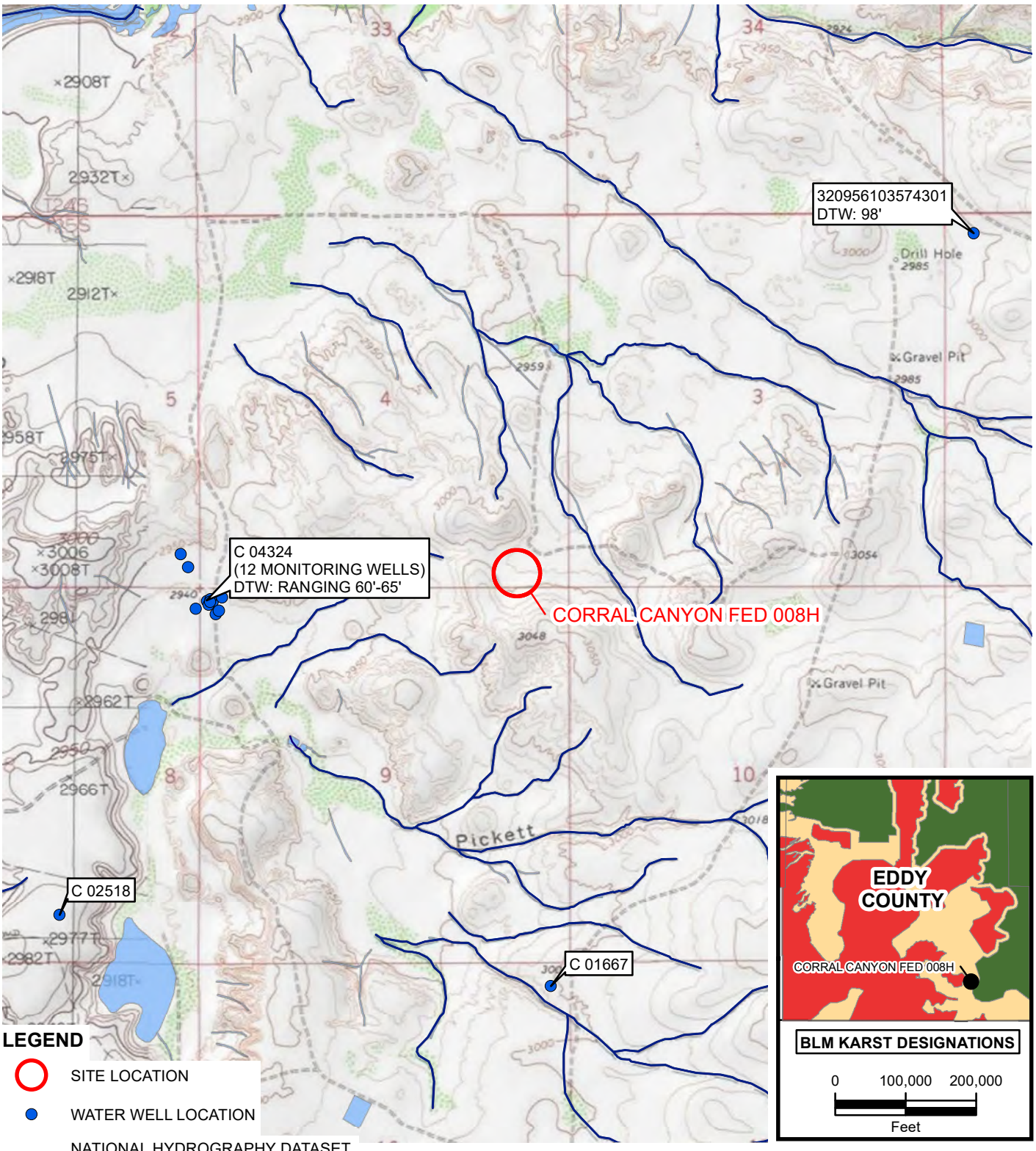


FIGURE 1
SITE LOCATION MAP
CORRAL CANYON FED 008H
UNIT P SEC 4 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012919305_CORRAL CANYON 8H-20H\012919305_FIG01_SL_2020.mxd

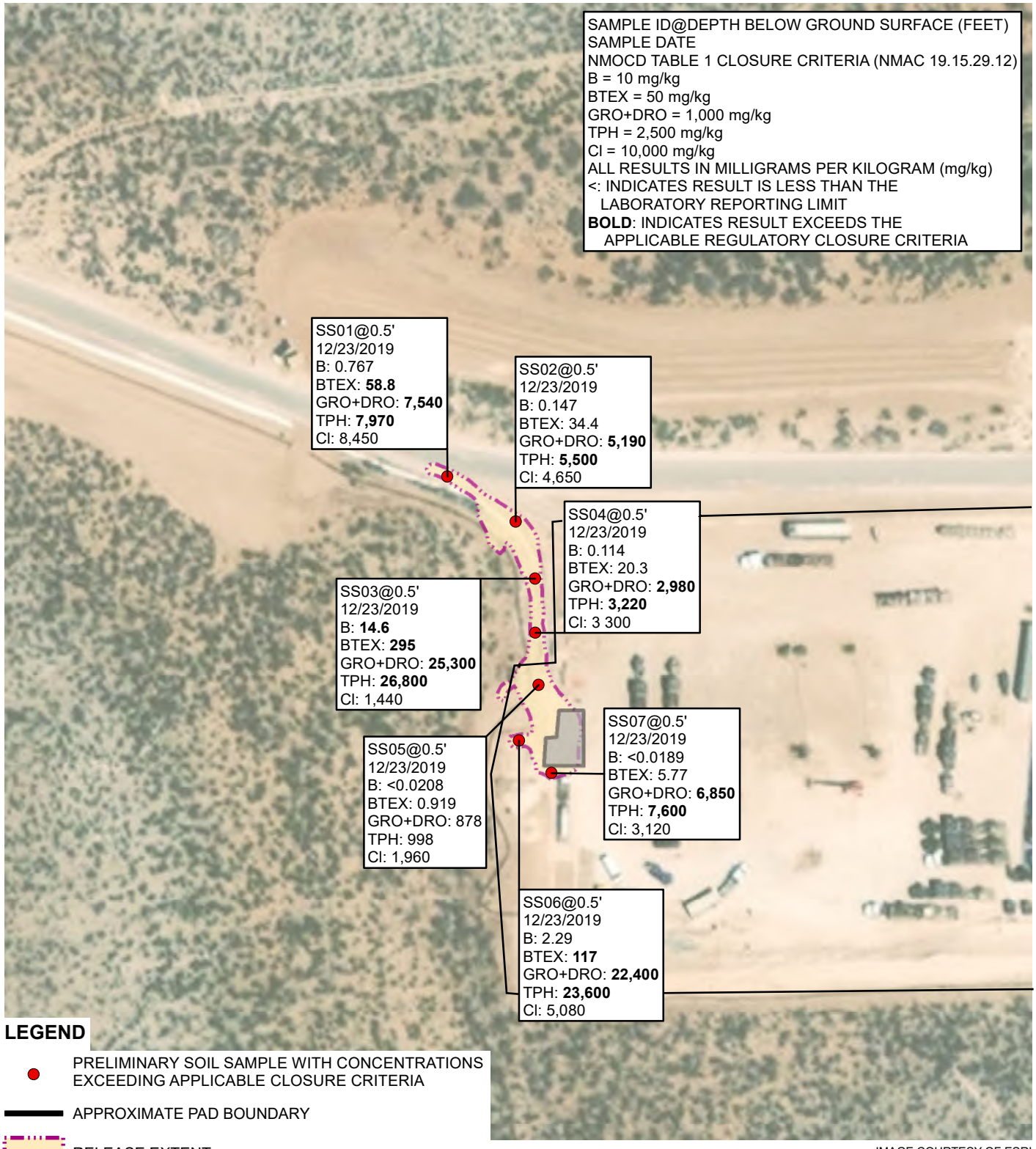


FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
CORRAL CANYON FED 008H
UNIT P SEC 4 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012919305_CORRAL CANYON 8H-20H\012919305_FIG02_PRELIMINARY_2020.mxd

LEGEND

- SIDEWALL SAMPLE WITH CONCENTRATIONS PREVIOUSLY EXCEEDING APPLICABLE CLOSURE CRITERIA AND HAS BEEN EXCAVATED
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NRH2002732419
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

0 50 100
Feet

N

FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
CORRAL CANYON FED 008H
UNIT P SEC 4 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012919305_CORRAL CANYON 8H-20H\012919305_FIG03_EXCAVATION_2020.mxd

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS

CORRAL CANYON FED 008H
INCIDENT NUMBER NRH2002732419
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
SS01*	0.5	12/23/2019	0.767	13.2	5.97	38.9	**58.8**	1,390	6,150	427	**7,540**	**7,970**	8,450
SS02*	0.5	12/23/2019	0.147	6.4	3.64	24.2	34.4	993	4,200	309	**5,190**	**5,500**	4,650
SS03*	0.5	12/23/2019	**14.6**	132	21.1	128	**295**	6,540	18,800	1,420	**25,300**	**26,800**	1,440
SS04*	0.5	12/23/2019	0.114	2.91	1.97	15.4	20.3	306	2,670	241	**2,980**	**3,220**	3,300
SS05	0.5	12/23/2019	<0.0208	0.143	0.136	0.64	0.919	60.6	817	120	878	998	1,960
SS06	0.5	12/23/2019	2.29	31.3	11.4	72.2	**117**	4,660	17,700	1,240	**22,400**	**23,600**	5,080
SS07	0.5	12/23/2019	<0.0189	0.319	0.554	4.9	5.77	322	6,530	743	**6,850**	**7,600**	3,120
FS01*	1	06/03/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	225
FS02*	1	06/03/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	354
FS03*	1	06/03/2020	<0.00197	<0.00197	<0.00197	<0.00197	<0.00197	<49.9	<49.9	<49.9	<49.9	<49.9	178
FS04*	2	06/03/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	231
FS05*	2	06/03/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	274
FS06*	2	06/03/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	237
FS07*	2	06/03/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	187
FS08*	2	06/03/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	222
FS09*	2	06/03/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	56.4
FS10*	2	06/04/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	263
FS11*	2	06/04/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	63.5
FS12*	2	06/04/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	148
FS13	4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	386
FS14	4	06/05/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	97.5
FS15	4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	17.6

TABLE 1
SOIL ANALYTICAL RESULTS

CORRAL CANYON FED 008H
INCIDENT NUMBER NRH2002732419
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
FS16	4	06/05/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	355
FS17	4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	12.5
FS18	4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	26.7
FS19	4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	77.3
FS20	4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	15.2
FS21	4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	24.5
FS22	4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	27.8
FS23	4	06/05/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	17.4
FS24	4	06/05/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	361
SW01*	0 - 2	06/04/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	157
SW02*	0 - 2	06/04/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	163
SW03*	0 - 2	06/04/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	83.4
SW04*	0 - 2	06/04/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	248
SW05*	0 - 2	06/04/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	40.3
SW06*	0 - 2	06/04/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	262
SW07*	0 - 2	06/04/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	138
SW08*	0 - 2	06/04/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	39.6
SW09*	1 - 2	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	158	<50.3	**158**	**158**	357
SW10	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	319
SW11	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	74.3
SW12	0 - 4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	859
SW13	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	115

TABLE 1
SOIL ANALYTICAL RESULTS

CORRAL CANYON FED 008H
INCIDENT NUMBER NRH2002732419
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
SW14	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	25.0
SW15	0 - 4	06/05/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	57.2
SW16	0 - 4	06/05/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	162
SW17	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	22.8
SW18	0 - 4	06/05/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	114
SW19	0 - 4	06/05/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	46.5
SW20	0 - 4	06/05/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	<50.3	45.8
SW21*	1 - 2	06/11/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	105

Notes:

bgs - below ground surface

BTEX - benzene, toluene, ethylbenzene, and total xylenes

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

MRO - motor oil range organics

NMAC - New Mexico Administrative Code

NMOCD - New Mexico Oil Conservation Division

NE - not established

TPH - total petroleum hydrocarbons

Bold - indicates result exceeds the applicable regulatory standard

< - indicates result is below laboratory reporting limits

Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018

Greyed data represents samples that were excavated

* - indicates sample was collected in the top 4 feet of an area to be reclaimed after remediation closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg

ATTACHMENT 1: REFERENCED WELL RECORDS

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04324 POD6	1	1	1	09	25S	29E	594538	3557657

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/18/2019 **Drill Finish Date:** 07/18/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.67 **Depth Well:** 62 feet **Depth Water:** 61 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	48	62	Limestone/Dolomite/Chalk

x

Casing Perforations:	Top	Bottom
	47	62

x

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04324 POD8	4	4	4	05	25S	29E	594442	3557807

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/21/2019 **Drill Finish Date:** 07/21/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.06 **Depth Well:** 69 feet **Depth Water:** 65 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	60	69	Shale/Mudstone/Siltstone

x

Casing Perforations:	Top	Bottom
	49	69

x

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
NA	C 04324 POD9	1	1	1	09	25S	29E	594590	3557676

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/21/2019 **Drill Finish Date:** 07/21/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.06 **Depth Well:** 72 feet **Depth Water:** 62 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	45	72	Shale/Mudstone/Siltstone

x

Casing Perforations:	Top	Bottom
	57	72

x

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twsp	Rng	X	Y
NA	C 04324 POD10	1	1	1	09	25S	29E	594563	3557603

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/20/2019 **Drill Finish Date:** 07/21/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.06 **Depth Well:** 65 feet **Depth Water:** 60 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	60	65	Shale/Mudstone/Siltstone

x

Casing Perforations:	Top	Bottom
	45	65

x

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04324 POD11	1	1	1	09	25S	29E	594576	3557619

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/20/2019 **Drill Finish Date:** 07/20/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.06 **Depth Well:** 61 feet **Depth Water:** 61 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	46	61	Limestone/Dolomite/Chalk

x

Casing Perforations:	Top	Bottom
	41	61

x

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04324 POD12	2	2	2	08	25S	29E	594476	3557627

x

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date: 07/19/2019 **Drill Finish Date:** 07/20/2019 **Plug Date:**

Log File Date: 08/28/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.06 **Depth Well:** 65 feet **Depth Water:** 60 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	60	65	Limestone/Dolomite/Chalk

x

Casing Perforations:	Top	Bottom
	45	65

x

USGS 320956103574301 25S.29E.02.11111

Available data for this site

Well Site

DESCRIPTION:

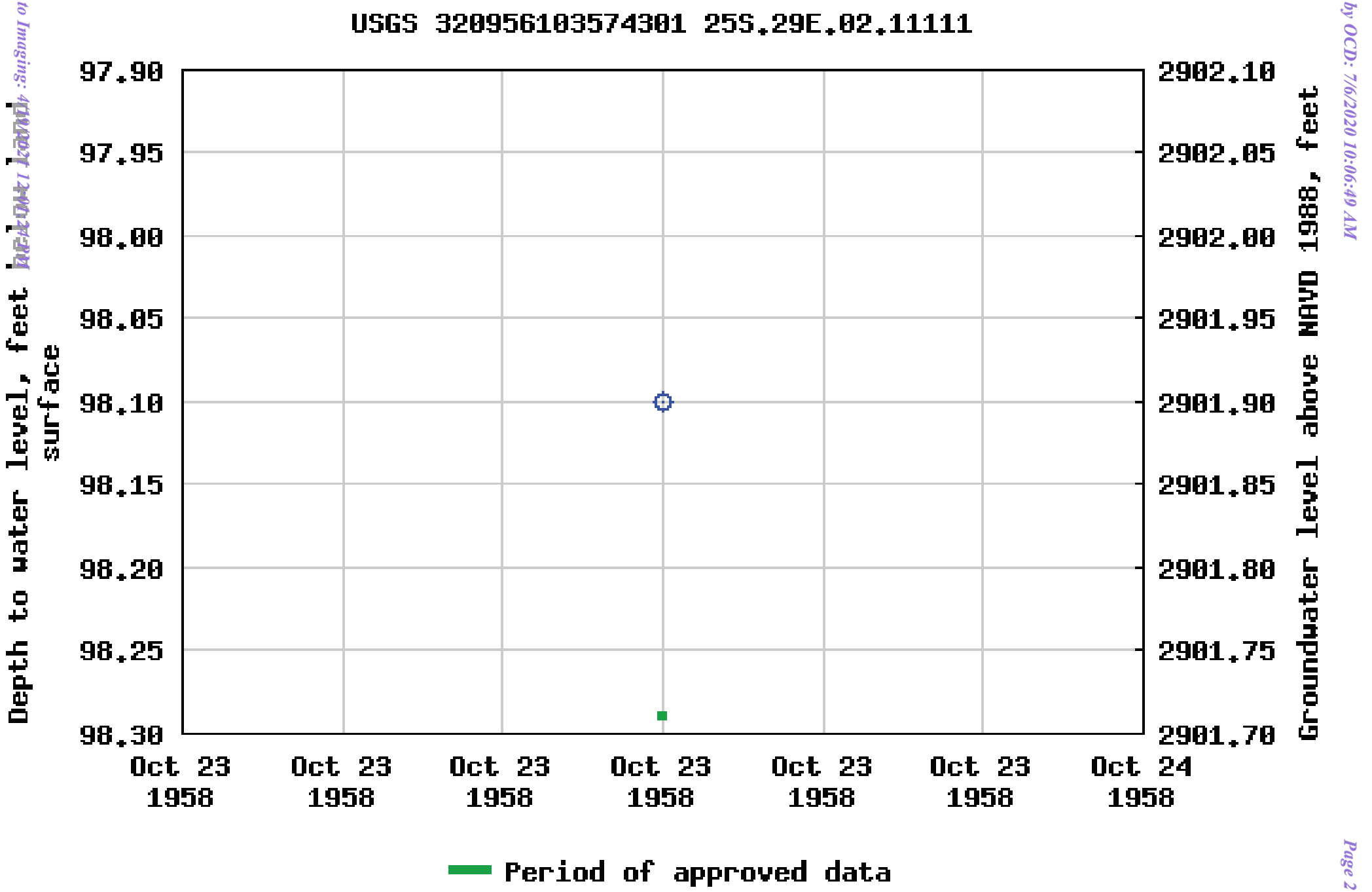
Latitude 32°09'56", Longitude 103°57'43" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 140 feet
Land surface altitude: 3,000 feet above NAVD88.
Well completed in "Rustler Formation" (312RSLR) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1958-10-23	1958-10-23	1
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to New Mexico Water Science Center Water-Data Inquiries



ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Photograph 1: Northern view of stained area.

Photograph 2: North western view of stained area.

Photograph 3: Southern view of stained area.

Photograph 4: Eastern view of excavation on pad.

Corral Canyon Fed 008H
Incident Number NRH2002732419
Photographs Taken: June 5, 2020

A proud member of WSP

Photograph 5: Western view of excavation on pad.

Photograph 6: Northern view of excavation.

Photograph 7: Northern view of backfilled excavation.

Photograph 8: Southern view of backfilled excavation.

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

Analytical Report 647419

for

LT Environmental, Inc.

Project Manager: Dan Moir

Corral Canyon 8H-20H

27-DEC-19

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)

27-DEC-19

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

Reference: XENCO Report No(s): **647419**
Corral Canyon 8H-20H
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 647419. 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. 647419 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,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	12-23-19 11:45	0.5 ft	647419-001
SS02	S	12-23-19 11:50	0.5 ft	647419-002
SS03	S	12-23-19 11:55	0.5 ft	647419-003
SS04	S	12-23-19 12:00	0.5 ft	647419-004
SS05	S	12-23-19 12:35	0.5 ft	647419-005
SS06	S	12-23-19 12:40	0.5 ft	647419-006
SS07	S	12-23-19 12:45	0.5 ft	647419-007

Version: 1.%

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Corral Canyon 8H-20H

Project ID:
Work Order Number(s): *647419*

Report Date: *27-DEC-19*
Date Received: *12/23/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3111567 Chloride by EPA 300
Lab Sample ID 647419-007 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 647419-001, -002, -003, -004, -005, -006, -007.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3111614 TPH by SW8015 Mod
Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 647419-001.

Batch: LBA-3111623 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 647419-001.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 647419

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 8H-20H

Project Id:
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Dec-23-19 02:35 pm
Report Date: 27-DEC-19
Project Manager: Jessica Kramer

Analysis Requested		Lab Id:	647419-001		647419-002		647419-003		647419-004		647419-005		647419-006	
		Field Id:	SS01		SS02		SS03		SS04		SS05		SS06	
		Depth:	0.5- ft		0.5- ft		0.5- ft		0.5- ft		0.5- ft		0.5- ft	
		Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sampled:	Dec-23-19 11:45		Dec-23-19 11:50		Dec-23-19 11:55		Dec-23-19 12:00		Dec-23-19 12:35		Dec-23-19 12:40	
BTEX by EPA 8021B		Extracted:	Dec-24-19 08:07		Dec-24-19 08:07		Dec-24-19 08:07		Dec-24-19 08:07		Dec-24-19 08:07		Dec-24-19 08:07	
		Analyzed:	Dec-24-19 12:58		Dec-24-19 13:15		Dec-24-19 13:33		Dec-24-19 12:06		Dec-24-19 12:23		Dec-24-19 13:50	
		Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene			0.767	0.395	0.147	0.0996	14.6	0.394	0.114	0.0182	<0.0208	0.0208	2.29	0.401
Toluene			13.2	0.395	6.40	0.398	132 D	0.994	2.91	0.0182	0.143	0.0208	31.3	0.401
Ethylbenzene			5.97	0.395	3.64	0.398	21.1	0.394	1.97	0.0182	0.136	0.0208	11.4	0.401
m,p-Xylenes			27.6	0.791	17.6	0.797	95.3	0.789	11.0 D	0.396	0.295	0.0417	53.1	0.802
o-Xylene			11.3	0.395	6.57	0.398	32.4	0.394	4.35 D	0.198	0.345	0.0208	19.1	0.401
Total Xylenes			38.9	0.395	24.2	0.398	128	0.394	15.4	0.198	0.640	0.0208	72.2	0.401
Total BTEX			58.8	0.395	34.4	0.0996	295	0.394	20.3	0.0182	0.919	0.0208	117	0.401
Chloride by EPA 300		Extracted:	Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00	
		Analyzed:	Dec-24-19 00:03		Dec-24-19 00:09		Dec-24-19 00:28		Dec-24-19 00:34		Dec-24-19 00:40		Dec-24-19 00:47	
		Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride			8450	198	4650	99.4	1440	99.8	3300	100	1960	100	5080	100
TPH by SW8015 Mod		Extracted:	Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00		Dec-23-19 17:00	
		Analyzed:	Dec-24-19 10:12		Dec-23-19 23:42		Dec-24-19 10:12		Dec-24-19 00:21		Dec-24-19 01:01		Dec-24-19 10:32	
		Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)			1390	250	993	50.1	6540	499	306	50.1	60.6	50.0	4660	498
Diesel Range Organics (DRO)			6150	250	4200	50.1	18800	499	2670	50.1	817	50.0	17700	498
Motor Oil Range Hydrocarbons (MRO)			427	250	309	50.1	1420	499	241	50.1	120	50.0	1240	498
Total GRO-DRO			7540	250	5190	50.1	25300	499	2980	50.1	878	50.0	22400	498
Total TPH			7970	250	5500	50.1	26800	499	3220	50.1	998	50.0	23600	498

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Version: 1.%

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 647419

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 8H-20H

Project Id:
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Dec-23-19 02:35 pm
Report Date: 27-DEC-19
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	647419-007					
	Field Id:	SS07					
	Depth:	0.5- ft					
	Matrix:	SOIL					
	Sampled:	Dec-23-19 12:45					
BTEX by EPA 8021B	***Extracted:***	Dec-24-19 08:07					
	Analyzed:	Dec-24-19 12:40					
	Units/RL:	mg/kg	RL				
Benzene		<0.0189	0.0189				
Toluene		0.319	0.0189				
Ethylbenzene		0.554	0.0189				
m,p-Xylenes		3.40	0.0377				
o-Xylene		1.50	0.0189				
Total Xylenes		4.90	0.0189				
Total BTEX		5.77	0.0189				
Chloride by EPA 300	***Extracted:***	Dec-23-19 17:00					
	Analyzed:	Dec-24-19 00:53					
	Units/RL:	mg/kg	RL				
Chloride		3120	99.4				
TPH by SW8015 Mod	***Extracted:***	Dec-23-19 17:00					
	Analyzed:	Dec-24-19 10:32					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		322	251				
Diesel Range Organics (DRO)		6530	251				
Motor Oil Range Hydrocarbons (MRO)		743	251				
Total GRO-DRO		6850	251				
Total TPH		7600	251				

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-001	Date Collected:	12.23.19 11.45	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8450**	198	mg/kg	12.24.19 00.03		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1390**	250	mg/kg	12.24.19 10.12		5
Diesel Range Organics (DRO)	C10C28DRO	**6150**	250	mg/kg	12.24.19 10.12		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**427**	250	mg/kg	12.24.19 10.12		5
Total GRO-DRO	PHC628	**7540**	250	mg/kg	12.24.19 10.12		5
Total TPH	PHC635	**7970**	250	mg/kg	12.24.19 10.12		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	138	%	70-135	12.24.19 10.12	**
o-Terphenyl	84-15-1	119	%	70-135	12.24.19 10.12	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-001	Date Collected:	12.23.19 11.45	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.767**	0.395	mg/kg	12.24.19 12.58		200
Toluene	108-88-3	**13.2**	0.395	mg/kg	12.24.19 12.58		200
Ethylbenzene	100-41-4	**5.97**	0.395	mg/kg	12.24.19 12.58		200
m,p-Xylenes	179601-23-1	**27.6**	0.791	mg/kg	12.24.19 12.58		200
o-Xylene	95-47-6	**11.3**	0.395	mg/kg	12.24.19 12.58		200
Total Xylenes	1330-20-7	**38.9**	0.395	mg/kg	12.24.19 12.58		200
Total BTEX		**58.8**	0.395	mg/kg	12.24.19 12.58		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	131	%	70-130	12.24.19 12.58	**
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.24.19 12.58	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-002	Date Collected:	12.23.19 11.50	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4650**	99.4	mg/kg	12.24.19 00.09		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**993**	50.1	mg/kg	12.23.19 23.42		1
Diesel Range Organics (DRO)	C10C28DRO	**4200**	50.1	mg/kg	12.23.19 23.42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**309**	50.1	mg/kg	12.23.19 23.42		1
Total GRO-DRO	PHC628	**5190**	50.1	mg/kg	12.23.19 23.42		1
Total TPH	PHC635	**5500**	50.1	mg/kg	12.23.19 23.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	12.23.19 23.42	
o-Terphenyl	84-15-1	117	%	70-135	12.23.19 23.42	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-002	Date Collected:	12.23.19 11.50	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.147**	0.0996	mg/kg	12.24.19 13.15		200
Toluene	108-88-3	**6.40**	0.398	mg/kg	12.24.19 13.15		200
Ethylbenzene	100-41-4	**3.64**	0.398	mg/kg	12.24.19 13.15		200
m,p-Xylenes	179601-23-1	**17.6**	0.797	mg/kg	12.24.19 13.15		200
o-Xylene	95-47-6	**6.57**	0.398	mg/kg	12.24.19 13.15		200
Total Xylenes	1330-20-7	**24.2**	0.398	mg/kg	12.24.19 13.15		200
Total BTEX		**34.4**	0.0996	mg/kg	12.24.19 13.15		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	12.24.19 13.15	
4-Bromofluorobenzene	460-00-4	107	%	70-130	12.24.19 13.15	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-003	Date Collected:	12.23.19 11.55	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1440**	99.8	mg/kg	12.24.19 00.28		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**6540**	499	mg/kg	12.24.19 10.12		10
Diesel Range Organics (DRO)	C10C28DRO	**18800**	499	mg/kg	12.24.19 10.12		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1420**	499	mg/kg	12.24.19 10.12		10
Total GRO-DRO	PHC628	**25300**	499	mg/kg	12.24.19 10.12		10
Total TPH	PHC635	**26800**	499	mg/kg	12.24.19 10.12		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	12.24.19 10.12	
o-Terphenyl	84-15-1	114	%	70-135	12.24.19 10.12	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-003	Date Collected:	12.23.19 11.55	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**14.6**	0.394	mg/kg	12.24.19 13.33		200
Toluene	108-88-3	**132**	0.994	mg/kg	12.24.19 17.18	D	500
Ethylbenzene	100-41-4	**21.1**	0.394	mg/kg	12.24.19 13.33		200
m,p-Xylenes	179601-23-1	**95.3**	0.789	mg/kg	12.24.19 13.33		200
o-Xylene	95-47-6	**32.4**	0.394	mg/kg	12.24.19 13.33		200
Total Xylenes	1330-20-7	**128**	0.394	mg/kg	12.24.19 13.33		200
Total BTEX		**295**	0.394	mg/kg	12.24.19 17.18		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	12.24.19 13.33	
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.24.19 13.33	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-004	Date Collected:	12.23.19 12.00	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3300**	100	mg/kg	12.24.19 00.34		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**306**	50.1	mg/kg	12.24.19 00.21		1
Diesel Range Organics (DRO)	C10C28DRO	**2670**	50.1	mg/kg	12.24.19 00.21		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**241**	50.1	mg/kg	12.24.19 00.21		1
Total GRO-DRO	PHC628	**2980**	50.1	mg/kg	12.24.19 00.21		1
Total TPH	PHC635	**3220**	50.1	mg/kg	12.24.19 00.21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	12.24.19 00.21	
o-Terphenyl	84-15-1	108	%	70-135	12.24.19 00.21	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-004	Date Collected:	12.23.19 12.00	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.114**	0.0182	mg/kg	12.24.19 12.06		1
Toluene	108-88-3	**2.91**	0.0182	mg/kg	12.24.19 12.06		1
Ethylbenzene	100-41-4	**1.97**	0.0182	mg/kg	12.24.19 12.06		1
m,p-Xylenes	179601-23-1	**11.0**	0.396	mg/kg	12.24.19 17.01	D	100
o-Xylene	95-47-6	**4.35**	0.198	mg/kg	12.24.19 17.01	D	100
Total Xylenes	1330-20-7	**15.4**	0.198	mg/kg	12.24.19 17.01		100
Total BTEX		**20.3**	0.0182	mg/kg	12.24.19 17.01		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	12.24.19 12.06	
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.24.19 12.06	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-005	Date Collected:	12.23.19 12.35	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1960**	100	mg/kg	12.24.19 00.40		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**60.6**	50.0	mg/kg	12.24.19 01.01		1
Diesel Range Organics (DRO)	C10C28DRO	**817**	50.0	mg/kg	12.24.19 01.01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**120**	50.0	mg/kg	12.24.19 01.01		1
Total GRO-DRO	PHC628	**878**	50.0	mg/kg	12.24.19 01.01		1
Total TPH	PHC635	**998**	50.0	mg/kg	12.24.19 01.01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	12.24.19 01.01	
o-Terphenyl	84-15-1	112	%	70-135	12.24.19 01.01	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-005	Date Collected:	12.23.19 12.35	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0208	0.0208	mg/kg	12.24.19 12.23	U	1
Toluene	108-88-3	**0.143**	0.0208	mg/kg	12.24.19 12.23		1
Ethylbenzene	100-41-4	**0.136**	0.0208	mg/kg	12.24.19 12.23		1
m,p-Xylenes	179601-23-1	**0.295**	0.0417	mg/kg	12.24.19 12.23		1
o-Xylene	95-47-6	**0.345**	0.0208	mg/kg	12.24.19 12.23		1
Total Xylenes	1330-20-7	**0.640**	0.0208	mg/kg	12.24.19 12.23		1
Total BTEX		**0.919**	0.0208	mg/kg	12.24.19 12.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	12.24.19 12.23	
1,4-Difluorobenzene	540-36-3	96	%	70-130	12.24.19 12.23	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-006	Date Collected:	12.23.19 12.40	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5080**	100	mg/kg	12.24.19 00.47		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**4660**	498	mg/kg	12.24.19 10.32		10
Diesel Range Organics (DRO)	C10C28DRO	**17700**	498	mg/kg	12.24.19 10.32		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1240**	498	mg/kg	12.24.19 10.32		10
Total GRO-DRO	PHC628	**22400**	498	mg/kg	12.24.19 10.32		10
Total TPH	PHC635	**23600**	498	mg/kg	12.24.19 10.32		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	12.24.19 10.32	
o-Terphenyl	84-15-1	112	%	70-135	12.24.19 10.32	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-006	Date Collected:	12.23.19 12.40	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**2.29**	0.401	mg/kg	12.24.19 13.50		200
Toluene	108-88-3	**31.3**	0.401	mg/kg	12.24.19 13.50		200
Ethylbenzene	100-41-4	**11.4**	0.401	mg/kg	12.24.19 13.50		200
m,p-Xylenes	179601-23-1	**53.1**	0.802	mg/kg	12.24.19 13.50		200
o-Xylene	95-47-6	**19.1**	0.401	mg/kg	12.24.19 13.50		200
Total Xylenes	1330-20-7	**72.2**	0.401	mg/kg	12.24.19 13.50		200
Total BTEX		**117**	0.401	mg/kg	12.24.19 13.50		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.24.19 13.50	
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.24.19 13.50	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-007	Date Collected:	12.23.19 12.45	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111567				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3120**	99.4	mg/kg	12.24.19 00.53		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	12.23.19 17.00	Basis:	Wet Weight
Seq Number:	3111614				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**322**	251	mg/kg	12.24.19 10.32		5
Diesel Range Organics (DRO)	C10C28DRO	**6530**	251	mg/kg	12.24.19 10.32		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**743**	251	mg/kg	12.24.19 10.32		5
Total GRO-DRO	PHC628	**6850**	251	mg/kg	12.24.19 10.32		5
Total TPH	PHC635	**7600**	251	mg/kg	12.24.19 10.32		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	12.24.19 10.32	
o-Terphenyl	84-15-1	111	%	70-135	12.24.19 10.32	

Certificate of Analytical Results 647419

LT Environmental, Inc., Arvada, CO

Corral Canyon 8H-20H

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	12.23.19 14.35
Lab Sample Id:	647419-007	Date Collected:	12.23.19 12.45	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	12.24.19 08.07	Basis:	Wet Weight
Seq Number:	3111623				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0189	0.0189	mg/kg	12.24.19 12.40	U	1
Toluene	108-88-3	**0.319**	0.0189	mg/kg	12.24.19 12.40		1
Ethylbenzene	100-41-4	**0.554**	0.0189	mg/kg	12.24.19 12.40		1
m,p-Xylenes	179601-23-1	**3.40**	0.0377	mg/kg	12.24.19 12.40		1
o-Xylene	95-47-6	**1.50**	0.0189	mg/kg	12.24.19 12.40		1
Total Xylenes	1330-20-7	**4.90**	0.0189	mg/kg	12.24.19 12.40		1
Total BTEX		**5.77**	0.0189	mg/kg	12.24.19 12.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.24.19 12.40	
4-Bromofluorobenzene	460-00-4	128	%	70-130	12.24.19 12.40	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 647419

LT Environmental, Inc.

Corral Canyon 8H-20H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3111567 — Matrix: Solid — Date Prep: 12.23.19
MB Sample Id: 7693188-1-BLK — LCS Sample Id: 7693188-1-BKS — LCSD Sample Id: 7693188-1-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	300	279	93	276	92	90-110	1	20	mg/kg	12.23.19 23:13	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3111567 — Matrix: Soil — Date Prep: 12.23.19
Parent Sample Id: 647387-033 — MS Sample Id: 647387-033 S — MSD Sample Id: 647387-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	35.2	201	264	114	263	114	90-110	0	20	mg/kg	12.23.19 23:32	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3111567 — Matrix: Soil — Date Prep: 12.23.19
Parent Sample Id: 647419-007 — MS Sample Id: 647419-007 S — MSD Sample Id: 647419-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3120	199	3280	80	3270	75	90-110	0	20	mg/kg	12.24.19 00:59	X

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3111614 — Matrix: Solid — Date Prep: 12.23.19
MB Sample Id: 7693217-1-BLK — LCS Sample Id: 7693217-1-BKS — LCSD Sample Id: 7693217-1-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)	<13.9	1000	1300	130	1240	124	70-135	5	35	mg/kg	12.23.19 22:43	
Diesel Range Organics (DRO)	<11.5	1000	1290	129	1260	126	70-135	2	35	mg/kg	12.23.19 22:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		116		115		70-135	%	12.23.19 22:43
o-Terphenyl	96		112		114		70-135	%	12.23.19 22:43

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3111614 — Matrix: Solid — Date Prep: 12.23.19
MB Sample Id: 7693217-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.23.19 22:23	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 647419

LT Environmental, Inc.

Corral Canyon 8H-20H

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3111614 — Matrix: Soil — Date Prep: 12.23.19
Parent Sample Id: 647387-033 — MS Sample Id: 647387-033 S — MSD Sample Id: 647387-033 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)	<13.8	997	878	88	966	97	70-135	10	35	mg/kg	12.23.19 23:02	
Diesel Range Organics (DRO)	22.1	997	936	92	1010	99	70-135	8	35	mg/kg	12.23.19 23:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		121		70-135	%	12.23.19 23:02
o-Terphenyl	107		113		70-135	%	12.23.19 23:02

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3111623 — Matrix: Solid — Date Prep: 12.24.19
MB Sample Id: 7693185-1-BLK — LCS Sample Id: 7693185-1-BKS — LCSD Sample Id: 7693185-1-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	0.100	100	0.0973	97	70-130	3	35	mg/kg	12.24.19 09:12	
Toluene	<0.00200	0.100	0.100	100	0.0967	97	70-130	3	35	mg/kg	12.24.19 09:12	
Ethylbenzene	<0.00200	0.100	0.0978	98	0.0937	94	71-129	4	35	mg/kg	12.24.19 09:12	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.193	97	70-135	5	35	mg/kg	12.24.19 09:12	
o-Xylene	<0.00200	0.100	0.0998	100	0.0962	96	71-133	4	35	mg/kg	12.24.19 09:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		100		101		70-130	%	12.24.19 09:12
4-Bromofluorobenzene	99		101		104		70-130	%	12.24.19 09:12

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3111623 — Matrix: Soil — Date Prep: 12.24.19
Parent Sample Id: 647387-036 — MS Sample Id: 647387-036 S — MSD Sample Id: 647387-036 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0891	88	0.102	102	70-130	14	35	mg/kg	12.24.19 09:47	
Toluene	<0.00201	0.101	0.0828	82	0.0975	98	70-130	16	35	mg/kg	12.24.19 09:47	
Ethylbenzene	<0.00201	0.101	0.0732	72	0.0894	89	71-129	20	35	mg/kg	12.24.19 09:47	
m,p-Xylenes	<0.00402	0.201	0.147	73	0.182	91	70-135	21	35	mg/kg	12.24.19 09:47	
o-Xylene	<0.00201	0.101	0.0746	74	0.0907	91	71-133	19	35	mg/kg	12.24.19 09:47	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		103		70-130	%	12.24.19 09:47
4-Bromofluorobenzene	103		108		70-130	%	12.24.19 09:47

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Work Order No: 647419

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849 Email:		enaka@ltenv.com, dmoir@ltenv.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 8H-20H	Turn Around	
Project Number:		Routine	X
P.O. Number:	Eddy County	Rush:	
Sampler's Name:	Elizabeth Naka	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	2.8	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	7

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS01	S	12/23/19	1145	0.5'	1	X	X	X	discrete
SS02			1150						
SS03			1155						
SS04			1200						
SS05			1235						
SS06			1240						
SS07	↓	↓	1245	↓	↓	↓	↓	↓	↓

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U ~~V Zn~~

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Elizabeth Naka		12/23/19 14:35	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 12/23/2019 02:35:00 PM

Work Order #: 647419

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)?	2.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**No**
#4 *Custody Seals intact on shipping container/ cooler?	**No**
#5 Custody Seals intact on sample bottles?	**No**
#6*Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**Yes**
#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: Martha Castro Date: 12/23/2019

Checklist reviewed by: Jessica Kramer Date: 12/24/2019

Certificate of Analysis Summary 663707

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.10.2020 15:27
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663707-001		663707-002		663707-003		663707-004		663707-005		663707-006	
	Field Id:	SW01		SW02		SW03		SW04		SW05		SW06	
	Depth:	0-2 ft		0-2 ft		0-2 ft		0-2 ft		0-2 ft		0-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.04.2020 11:45		06.04.2020 12:00		06.04.2020 12:15		06.04.2020 12:30		06.04.2020 12:45		06.04.2020 13:00	
BTEX by EPA 8021B	***Extracted:***	06.08.2020 13:14		06.08.2020 13:14		06.08.2020 13:14		06.08.2020 13:14		06.08.2020 13:14		06.08.2020 18:21	
	Analyzed:	06.08.2020 22:31		06.08.2020 22:52		06.08.2020 23:12		06.08.2020 23:33		06.08.2020 23:53		06.09.2020 02:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00396	0.00396	<0.00398	0.00398	<0.00398	0.00398	<0.00396	0.00396	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	06.08.2020 17:00		06.08.2020 17:00		06.08.2020 17:00		06.08.2020 17:00		06.08.2020 17:00		06.08.2020 17:08	
	Analyzed:	06.08.2020 20:35		06.08.2020 20:40		06.08.2020 20:46		06.08.2020 20:52		06.08.2020 20:58		06.08.2020 21:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		157	10.0	163	9.98	83.4	9.92	248	9.96	40.3	9.98	262	10.0
TPH by SW8015 Mod	***Extracted:***	06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30	
	Analyzed:	06.08.2020 14:19		06.08.2020 15:21		06.08.2020 15:41		06.08.2020 16:02		06.08.2020 16:22		06.08.2020 16:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.1	50.1
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.1	50.1
Total GRO-DRO		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.1	50.1
Total TPH		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.1	50.1

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 663707

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.10.2020 15:27
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663707-007		663707-008		663707-009		663707-010		663707-011		663707-012	
	Field Id:	SW07		SW08		SW09		SW10		SW11		SW12	
	Depth:	0-2 ft		0-2 ft		1-2 ft		0-4 ft		0-4 ft		0-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.04.2020 14:00		06.04.2020 14:15		06.05.2020 12:25		06.05.2020 12:30		06.05.2020 12:35		06.05.2020 12:40	
BTEX by EPA 8021B	***Extracted:***	06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21	
	Analyzed:	06.09.2020 03:17		06.09.2020 03:37		06.09.2020 03:58		06.09.2020 04:18		06.09.2020 04:39		06.09.2020 04:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00396	0.00396	<0.00396	0.00396	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08	
	Analyzed:	06.08.2020 21:50		06.08.2020 21:56		06.08.2020 22:01		06.08.2020 22:07		06.08.2020 22:24		06.08.2020 22:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		138	9.92	39.6	9.94	357	9.94	319	9.98	74.3	9.96	859	9.98
TPH by SW8015 Mod	***Extracted:***	06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30	
	Analyzed:	06.08.2020 17:03		06.08.2020 17:24		06.08.2020 17:45		06.08.2020 18:05		06.08.2020 18:46		06.08.2020 19:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1	<50.1	50.1	<49.9	49.9
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	158	50.3	<50.1	50.1	<50.1	50.1	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1	<50.1	50.1	<49.9	49.9
Total GRO-DRO		<50.1	50.1	<50.1	50.1	158	50.3	<50.1	50.1	<50.1	50.1	<49.9	49.9
Total TPH		<50.1	50.1	<50.1	50.1	158	50.3	<50.1	50.1	<50.1	50.1	<49.9	49.9

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 663707

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.10.2020 15:27
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663707-013		663707-014		663707-015		663707-016		663707-017		663707-018	
	Field Id:	SW13		SW14		SW15		SW16		SW17		SW18	
	Depth:	0-4 ft		0-4 ft		0-4 ft		0-4 ft		0-4 ft		0-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.05.2020 12:45		06.05.2020 12:50		06.05.2020 12:55		06.05.2020 13:00		06.05.2020 13:05		06.05.2020 13:10	
BTEX by EPA 8021B	***Extracted:***	06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21	
	Analyzed:	06.09.2020 05:19		06.09.2020 05:40		06.09.2020 06:00		06.09.2020 07:01		06.09.2020 07:22		06.09.2020 07:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00396	0.00396	<0.00402	0.00402	<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08	
	Analyzed:	06.08.2020 22:36		06.08.2020 22:42		06.08.2020 22:48		06.08.2020 22:53		06.08.2020 23:11		06.08.2020 23:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		115	9.88	25.0	9.98	57.2	9.92	162	9.96	22.8	9.98	114	10.1
TPH by SW8015 Mod	***Extracted:***	06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30	
	Analyzed:	06.08.2020 19:27		06.08.2020 19:48		06.08.2020 20:08		06.08.2020 20:29		06.08.2020 20:49		06.08.2020 21:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Total GRO-DRO		<49.8	49.8	<49.9	49.9	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Total TPH		<49.8	49.8	<49.9	49.9	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 663707

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.10.2020 15:27
Project Manager: Jessica Kramer

Analysis Requested								
	Lab Id:	663707-019		663707-020				
	Field Id:	SW19		SW20				
	Depth:	0-4 ft		0-4 ft				
	Matrix:	SOIL		SOIL				
	Sampled:	06.05.2020 13:15		06.05.2020 13:20				
BTEX by EPA 8021B	***Extracted:***	06.08.2020 18:21		06.08.2020 18:21				
	Analyzed:	06.09.2020 08:03		06.09.2020 08:23				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Benzene		<0.00200	0.00200	<0.00198	0.00198			
Toluene		<0.00200	0.00200	<0.00198	0.00198			
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198			
m,p-Xylenes		<0.00401	0.00401	<0.00396	0.00396			
o-Xylene		<0.00200	0.00200	<0.00198	0.00198			
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198			
Total BTEX		<0.00200	0.00200	<0.00198	0.00198			
Chloride by EPA 300	***Extracted:***	06.08.2020 17:08		06.08.2020 17:08				
	Analyzed:	06.08.2020 23:34		06.08.2020 23:40				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		46.5	10.1	45.8	10.0			
TPH by SW8015 Mod	***Extracted:***	06.08.2020 13:30		06.08.2020 13:30				
	Analyzed:	06.08.2020 21:31		06.08.2020 21:51				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.3	50.3			
Diesel Range Organics (DRO)		<49.9	49.9	<50.3	50.3			
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.3	50.3			
Total GRO-DRO		<49.9	49.9	<50.3	50.3			
Total TPH		<49.9	49.9	<50.3	50.3			

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

Jessica Kramer
Project Manager

Analytical Report 663707

for

LT Environmental, Inc.

Project Manager: Dan Moir

Corral Canyon 008H

012920091

06.10.2020

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 (20-035-0)

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
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 (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.10.2020

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

Reference: XENCO Report No(s): **663707**
Corral Canyon 008H
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 663707. 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. 663707 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,

Jessica Kramer

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 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW01	S	06.04.2020 11:45	0 - 2 ft	663707-001
SW02	S	06.04.2020 12:00	0 - 2 ft	663707-002
SW03	S	06.04.2020 12:15	0 - 2 ft	663707-003
SW04	S	06.04.2020 12:30	0 - 2 ft	663707-004
SW05	S	06.04.2020 12:45	0 - 2 ft	663707-005
SW06	S	06.04.2020 13:00	0 - 2 ft	663707-006
SW07	S	06.04.2020 14:00	0 - 2 ft	663707-007
SW08	S	06.04.2020 14:15	0 - 2 ft	663707-008
SW09	S	06.05.2020 12:25	1 - 2 ft	663707-009
SW10	S	06.05.2020 12:30	0 - 4 ft	663707-010
SW11	S	06.05.2020 12:35	0 - 4 ft	663707-011
SW12	S	06.05.2020 12:40	0 - 4 ft	663707-012
SW13	S	06.05.2020 12:45	0 - 4 ft	663707-013
SW14	S	06.05.2020 12:50	0 - 4 ft	663707-014
SW15	S	06.05.2020 12:55	0 - 4 ft	663707-015
SW16	S	06.05.2020 13:00	0 - 4 ft	663707-016
SW17	S	06.05.2020 13:05	0 - 4 ft	663707-017
SW18	S	06.05.2020 13:10	0 - 4 ft	663707-018
SW19	S	06.05.2020 13:15	0 - 4 ft	663707-019
SW20	S	06.05.2020 13:20	0 - 4 ft	663707-020

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Corral Canyon 008H

Project ID: *012920091*
Work Order Number(s): *663707*

Report Date: *06.10.2020*
Date Received: *06.08.2020*

Sample receipt non conformances and comments:

V1.001 Revision (client email) Removed additional 0 from sample IDs Corrected sample depths to match COC JK 06/10/20

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW01**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-001	Date Collected:	06.04.2020 11:45	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:00	Basis:	Wet Weight
Seq Number:	3128315				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**157**	10.0	mg/kg	06.08.2020 20:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 14:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 14:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 14:19	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 14:19	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 14:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	06.08.2020 14:19	
o-Terphenyl	84-15-1	91	%	70-135	06.08.2020 14:19	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW01**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-001	Date Collected:	06.04.2020 11:45	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 13:14	Basis:	Wet Weight
Seq Number:	3128312				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.08.2020 22:31	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.08.2020 22:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.08.2020 22:31	
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.08.2020 22:31	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW02**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-002	Date Collected:	06.04.2020 12:00	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:00	Basis:	Wet Weight
Seq Number:	3128315				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**163**	9.98	mg/kg	06.08.2020 20:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.08.2020 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.08.2020 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.08.2020 15:21	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.08.2020 15:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.08.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	06.08.2020 15:21	
o-Terphenyl	84-15-1	87	%	70-135	06.08.2020 15:21	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW02**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-002	Date Collected:	06.04.2020 12:00	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 13:14	Basis:	Wet Weight
Seq Number:	3128312				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.08.2020 22:52	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.08.2020 22:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.08.2020 22:52	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.08.2020 22:52	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW03**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-003	Date Collected:	06.04.2020 12:15	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:00	Basis:	Wet Weight
Seq Number:	3128315				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.4**	9.92	mg/kg	06.08.2020 20:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.08.2020 15:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.08.2020 15:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.08.2020 15:41	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.08.2020 15:41	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.08.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	06.08.2020 15:41	
o-Terphenyl	84-15-1	87	%	70-135	06.08.2020 15:41	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW03**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-003	Date Collected:	06.04.2020 12:15	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 13:14	Basis:	Wet Weight
Seq Number:	3128312				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.08.2020 23:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.08.2020 23:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.08.2020 23:12	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.08.2020 23:12	

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Sample Id:	**SW04**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-004	Date Collected:	06.04.2020 12:30	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:00	Basis:	Wet Weight
Seq Number:	3128315				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**248**	9.96	mg/kg	06.08.2020 20:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.08.2020 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.08.2020 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.08.2020 16:02	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.08.2020 16:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.08.2020 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.08.2020 16:02	
o-Terphenyl	84-15-1	90	%	70-135	06.08.2020 16:02	

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Sample Id:	**SW04**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-004	Date Collected:	06.04.2020 12:30	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 13:14	Basis:	Wet Weight
Seq Number:	3128312				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.08.2020 23:33	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.08.2020 23:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.08.2020 23:33	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.08.2020 23:33	

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Sample Id:	**SW05**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-005	Date Collected:	06.04.2020 12:45	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:00	Basis:	Wet Weight
Seq Number:	3128315				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.3**	9.98	mg/kg	06.08.2020 20:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.08.2020 16:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.08.2020 16:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.08.2020 16:22	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.08.2020 16:22	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.08.2020 16:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.08.2020 16:22	
o-Terphenyl	84-15-1	91	%	70-135	06.08.2020 16:22	

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Sample Id:	**SW05**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-005	Date Collected:	06.04.2020 12:45	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 13:14	Basis:	Wet Weight
Seq Number:	3128312				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.08.2020 23:53	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.08.2020 23:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.08.2020 23:53	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.08.2020 23:53	

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Sample Id:	**SW06**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-006	Date Collected:	06.04.2020 13:00	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**262**	10.0	mg/kg	06.08.2020 21:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 16:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 16:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 16:43	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 16:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 16:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.08.2020 16:43	
o-Terphenyl	84-15-1	88	%	70-135	06.08.2020 16:43	

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Sample Id:	**SW06**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-006	Date Collected:	06.04.2020 13:00	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 02:57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 02:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.09.2020 02:57	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.09.2020 02:57	

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Sample Id:	**SW07**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-007	Date Collected:	06.04.2020 14:00	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**138**	9.92	mg/kg	06.08.2020 21:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 17:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 17:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 17:03	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 17:03	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 17:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	06.08.2020 17:03	
o-Terphenyl	84-15-1	90	%	70-135	06.08.2020 17:03	

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Sample Id:	**SW07**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-007	Date Collected:	06.04.2020 14:00	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 03:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 03:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.09.2020 03:17	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.09.2020 03:17	

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Sample Id:	**SW08**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-008	Date Collected:	06.04.2020 14:15	Sample Depth:	0 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.6**	9.94	mg/kg	06.08.2020 21:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 17:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 17:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 17:24	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 17:24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 17:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	06.08.2020 17:24	
o-Terphenyl	84-15-1	89	%	70-135	06.08.2020 17:24	

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Sample Id:	**SW08**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-008	Date Collected:	06.04.2020 14:15	Sample Depth:	0 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.09.2020 03:37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.09.2020 03:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	06.09.2020 03:37	
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.09.2020 03:37	

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Sample Id:	**SW09**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-009	Date Collected:	06.05.2020 12:25	Sample Depth:	1 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**357**	9.94	mg/kg	06.08.2020 22:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.08.2020 17:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	**158**	50.3	mg/kg	06.08.2020 17:45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.08.2020 17:45	U	1
Total GRO-DRO	PHC628	**158**	50.3	mg/kg	06.08.2020 17:45		1
Total TPH	PHC635	**158**	50.3	mg/kg	06.08.2020 17:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.08.2020 17:45	
o-Terphenyl	84-15-1	89	%	70-135	06.08.2020 17:45	

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Sample Id:	**SW09**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-009	Date Collected:	06.05.2020 12:25	Sample Depth:	1 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.09.2020 03:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 03:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 03:58	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.09.2020 03:58	

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Sample Id:	**SW10**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-010	Date Collected:	06.05.2020 12:30	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**319**	9.98	mg/kg	06.08.2020 22:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 18:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 18:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 18:05	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 18:05	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 18:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	06.08.2020 18:05	
o-Terphenyl	84-15-1	86	%	70-135	06.08.2020 18:05	

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Sample Id:	**SW10**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-010	Date Collected:	06.05.2020 12:30	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.09.2020 04:18	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 04:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.09.2020 04:18	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 04:18	

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Sample Id:	**SW11**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-011	Date Collected:	06.05.2020 12:35	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.3**	9.96	mg/kg	06.08.2020 22:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 18:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 18:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 18:46	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 18:46	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 18:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	06.08.2020 18:46	
o-Terphenyl	84-15-1	96	%	70-135	06.08.2020 18:46	

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Sample Id:	**SW11**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-011	Date Collected:	06.05.2020 12:35	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.09.2020 04:39	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 04:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	06.09.2020 04:39	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 04:39	

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Sample Id:	**SW12**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-012	Date Collected:	06.05.2020 12:40	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**859**	9.98	mg/kg	06.08.2020 22:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.08.2020 19:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.08.2020 19:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.08.2020 19:07	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.08.2020 19:07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.08.2020 19:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.08.2020 19:07	
o-Terphenyl	84-15-1	94	%	70-135	06.08.2020 19:07	

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Sample Id:	**SW12**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-012	Date Collected:	06.05.2020 12:40	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 04:59	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 04:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 04:59	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 04:59	

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Sample Id:	**SW13**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-013	Date Collected:	06.05.2020 12:45	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**115**	9.88	mg/kg	06.08.2020 22:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 19:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 19:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 19:27	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 19:27	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	06.08.2020 19:27	
o-Terphenyl	84-15-1	94	%	70-135	06.08.2020 19:27	

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Sample Id:	**SW13**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-013	Date Collected:	06.05.2020 12:45	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.09.2020 05:19	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 05:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.09.2020 05:19	
1,4-Difluorobenzene	540-36-3	104	%	70-130	06.09.2020 05:19	

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Sample Id:	**SW14**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-014	Date Collected:	06.05.2020 12:50	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.0**	9.98	mg/kg	06.08.2020 22:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.08.2020 19:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.08.2020 19:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.08.2020 19:48	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.08.2020 19:48	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.08.2020 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.08.2020 19:48	
o-Terphenyl	84-15-1	95	%	70-135	06.08.2020 19:48	

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Sample Id:	**SW14**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-014	Date Collected:	06.05.2020 12:50	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.09.2020 05:40	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 05:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.09.2020 05:40	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 05:40	

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Sample Id:	**SW15**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-015	Date Collected:	06.05.2020 12:55	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**57.2**	9.92	mg/kg	06.08.2020 22:48		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.08.2020 20:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.08.2020 20:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.08.2020 20:08	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.08.2020 20:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.08.2020 20:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	06.08.2020 20:08	
o-Terphenyl	84-15-1	96	%	70-135	06.08.2020 20:08	

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Sample Id:	**SW15**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-015	Date Collected:	06.05.2020 12:55	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.09.2020 06:00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.09.2020 06:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 06:00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.09.2020 06:00	

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Sample Id:	**SW16**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-016	Date Collected:	06.05.2020 13:00	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**162**	9.96	mg/kg	06.08.2020 22:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 20:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 20:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 20:29	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 20:29	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	06.08.2020 20:29	
o-Terphenyl	84-15-1	96	%	70-135	06.08.2020 20:29	

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Sample Id:	**SW16**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-016	Date Collected:	06.05.2020 13:00	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 07:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 07:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 07:01	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.09.2020 07:01	

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Sample Id:	**SW17**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-017	Date Collected:	06.05.2020 13:05	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	9.98	mg/kg	06.08.2020 23:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 20:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 20:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 20:49	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 20:49	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 20:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	06.08.2020 20:49	
o-Terphenyl	84-15-1	95	%	70-135	06.08.2020 20:49	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW17**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-017	Date Collected:	06.05.2020 13:05	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.09.2020 07:22	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 07:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.09.2020 07:22	
1,4-Difluorobenzene	540-36-3	112	%	70-130	06.09.2020 07:22	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW18**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-018	Date Collected:	06.05.2020 13:10	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**114**	10.1	mg/kg	06.08.2020 23:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 21:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 21:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 21:10	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 21:10	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	06.08.2020 21:10	
o-Terphenyl	84-15-1	97	%	70-135	06.08.2020 21:10	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW18**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-018	Date Collected:	06.05.2020 13:10	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.09.2020 07:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.09.2020 07:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.09.2020 07:42	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.09.2020 07:42	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW19**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-019	Date Collected:	06.05.2020 13:15	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**46.5**	10.1	mg/kg	06.08.2020 23:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.08.2020 21:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.08.2020 21:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.08.2020 21:31	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.08.2020 21:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.08.2020 21:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	06.08.2020 21:31	
o-Terphenyl	84-15-1	96	%	70-135	06.08.2020 21:31	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW19**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-019	Date Collected:	06.05.2020 13:15	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.09.2020 08:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.09.2020 08:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 08:03	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.09.2020 08:03	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW20**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-020	Date Collected:	06.05.2020 13:20	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.8**	10.0	mg/kg	06.08.2020 23:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128309				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.08.2020 21:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	06.08.2020 21:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.08.2020 21:51	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	06.08.2020 21:51	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	06.08.2020 21:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.08.2020 21:51	
o-Terphenyl	84-15-1	94	%	70-135	06.08.2020 21:51	

Certificate of Analytical Results 663707

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW20**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663707-020	Date Collected:	06.05.2020 13:20	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.09.2020 08:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 08:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 08:23	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 08:23	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 663707

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128315 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705029-1-BLK — LCS Sample Id: 7705029-1-BKS — LCSD Sample Id: 7705029-1-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	252	101	253	101	90-110	0	20	mg/kg	06.08.2020 18:10	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705031-1-BLK — LCS Sample Id: 7705031-1-BKS — LCSD Sample Id: 7705031-1-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	252	101	253	101	90-110	0	20	mg/kg	06.08.2020 21:21	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128315 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663699-001 — MS Sample Id: 663699-001 S — MSD Sample Id: 663699-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	7430	202	7620	94	7630	99	90-110	0	20	mg/kg	06.08.2020 18:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128315 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663704-002 — MS Sample Id: 663704-002 S — MSD Sample Id: 663704-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.1	200	201	94	200	94	90-110	0	20	mg/kg	06.08.2020 19:48	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-006 — MS Sample Id: 663707-006 S — MSD Sample Id: 663707-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	262	201	457	97	458	98	90-110	0	20	mg/kg	06.08.2020 21:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-016 — MS Sample Id: 663707-016 S — MSD Sample Id: 663707-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	162	200	382	110	356	97	90-110	7	20	mg/kg	06.08.2020 22:59	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 663707

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128309 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7704999-1-BLK — LCS Sample Id: 7704999-1-BKS — LCSD Sample Id: 7704999-1-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	1040	104	1070	107	70-135	3	35	mg/kg	06.08.2020 13:38	
Diesel Range Organics (DRO)	<50.0	1000	1050	105	1060	106	70-135	1	35	mg/kg	06.08.2020 13:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		113		129		70-135	%	06.08.2020 13:38
o-Terphenyl	96		97		97		70-135	%	06.08.2020 13:38

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128309 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7704999-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.08.2020 13:17	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128309 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-001 — MS Sample Id: 663707-001 S — MSD Sample Id: 663707-001 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)	<49.9	997	1060	106	1050	106	70-135	1	35	mg/kg	06.08.2020 14:39	
Diesel Range Organics (DRO)	<49.9	997	1040	104	1020	103	70-135	2	35	mg/kg	06.08.2020 14:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		128		70-135	%	06.08.2020 14:39
o-Terphenyl	95		93		70-135	%	06.08.2020 14:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128312 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705033-1-BLK — LCS Sample Id: 7705033-1-BKS — LCSD Sample Id: 7705033-1-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	0.111	111	0.110	110	70-130	1	35	mg/kg	06.08.2020 15:03	
Toluene	<0.00200	0.100	0.107	107	0.105	105	70-130	2	35	mg/kg	06.08.2020 15:03	
Ethylbenzene	<0.00200	0.100	0.100	100	0.0982	98	71-129	2	35	mg/kg	06.08.2020 15:03	
m,p-Xylenes	<0.00400	0.200	0.208	104	0.203	102	70-135	2	35	mg/kg	06.08.2020 15:03	
o-Xylene	<0.00200	0.100	0.105	105	0.103	103	71-133	2	35	mg/kg	06.08.2020 15:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		110		107		70-130	%	06.08.2020 15:03
4-Bromofluorobenzene	94		97		93		70-130	%	06.08.2020 15:03

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 663707

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128363 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705037-1-BLK — LCS Sample Id: 7705037-1-BKS — LCSD Sample Id: 7705037-1-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	0.110	110	0.104	104	70-130	6	35	mg/kg	06.09.2020 01:15	
Toluene	<0.00200	0.100	0.104	104	0.100	100	70-130	4	35	mg/kg	06.09.2020 01:15	
Ethylbenzene	<0.00200	0.100	0.0979	98	0.0933	93	71-129	5	35	mg/kg	06.09.2020 01:15	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.191	96	70-135	5	35	mg/kg	06.09.2020 01:15	
o-Xylene	<0.00200	0.100	0.101	101	0.0977	98	71-133	3	35	mg/kg	06.09.2020 01:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		107		106		70-130	%	06.09.2020 01:15
4-Bromofluorobenzene	96		96		93		70-130	%	06.09.2020 01:15

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128312 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663699-001 — MS Sample Id: 663699-001 S — MSD Sample Id: 663699-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.116	116	0.121	122	70-130	4	35	mg/kg	06.08.2020 15:44	
Toluene	<0.00199	0.0996	0.112	112	0.117	118	70-130	4	35	mg/kg	06.08.2020 15:44	
Ethylbenzene	<0.00199	0.0996	0.105	105	0.108	109	71-129	3	35	mg/kg	06.08.2020 15:44	
m,p-Xylenes	<0.00398	0.199	0.218	110	0.225	114	70-135	3	35	mg/kg	06.08.2020 15:44	
o-Xylene	<0.00199	0.0996	0.109	109	0.112	113	71-133	3	35	mg/kg	06.08.2020 15:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		109		70-130	%	06.08.2020 15:44
4-Bromofluorobenzene	97		98		70-130	%	06.08.2020 15:44

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128363 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-006 — MS Sample Id: 663707-006 S — MSD Sample Id: 663707-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.100	100	0.0949	95	70-130	5	35	mg/kg	06.09.2020 01:55	
Toluene	<0.00200	0.0998	0.105	105	0.0988	99	70-130	6	35	mg/kg	06.09.2020 01:55	
Ethylbenzene	<0.00200	0.0998	0.0937	94	0.0887	89	71-129	5	35	mg/kg	06.09.2020 01:55	
m,p-Xylenes	<0.00399	0.200	0.196	98	0.185	92	70-135	6	35	mg/kg	06.09.2020 01:55	
o-Xylene	<0.00200	0.0998	0.0953	95	0.0907	91	71-133	5	35	mg/kg	06.09.2020 01:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		108		70-130	%	06.09.2020 01:55
4-Bromofluorobenzene	96		95		70-130	%	06.09.2020 01:55

MS/MSD Percent Recovery — [D] = 100*(C-A) / B
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery — [D] = 100 * (C) / [B]
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Chain of Custody

Work Order No: 663707

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

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Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	012919305	Routine	☐
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.2	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	20

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SW01	S	6/4/2020	1145	0'-2'	1	X	X	X
SW02	S	6/4/2020	1200	0'-2'	1	X	X	X
SW03	S	6/4/2020	1215	0'-2'	1	X	X	X
SW04	S	6/4/2020	1230	0'-2'	1	X	X	X
SW05	S	6/4/2020	1245	0'-2'	1	X	X	X
SW06	S	6/4/2020	1300	0'-2'	1	X	X	X
SW07	S	6/4/2020	1400	0'-2'	1	X	X	X
SW08	S	6/4/2020	1415	0'-2'	1	X	X	X
SW09	S	6/5/2020	1225	1'-2'	1	X	X	X
SW10	S	6/5/2020	1230	0'-4'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/4/20 19:00	2		6/8/20 11:00
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: 663707

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	012919305	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SW11	S	6/5/2020	1235	0'-4'	1	X	X	X
SW12	S	6/5/2020	1240	0'-4'	1	X	X	X
SW13	S	6/5/2020	1245	0'-4'	1	X	X	X
SW14	S	6/5/2020	1250	0'-4'	1	X	X	X
SW15	S	6/5/2020	1255	0'-4'	1	X	X	X
SW16	S	6/5/2020	1300	0'-4'	1	X	X	X
SW17	S	6/5/2020	1305	0'-4'	1	X	X	X
SW18	S	6/5/2020	1310	0'-4'	1	X	X	X
SW19	S	6/5/2020	1315	0'-4'	1	X	X	X
SW20	S	6/5/2020	1320	0'-4'	1	X	X	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/8/20 9:00am	2			6/8/20 11:00
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 06.08.2020 11.00.00 AM

Work Order #: 663707

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)?	3.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#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)?	**Yes**
#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: Martha Castro Date: 06.08.2020

Checklist reviewed by: Jessica Kramer Date: 06.08.2020

Certificate of Analysis Summary 663709

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Kyle Littrell
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.11.2020 12:01
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663709-001		663709-002		663709-003		663709-004		663709-005		663709-006	
	Field Id:	FS01		FS02		FS03		FS04		FS05		FS06	
	Depth:	1- ft		1- ft		1- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.03.2020 13:00		06.03.2020 13:15		06.03.2020 13:30		06.03.2020 13:45		06.03.2020 14:00		06.03.2020 14:15	
BTEX by EPA 8021B	***Extracted:***	06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.08.2020 18:21		06.09.2020 10:28	
	Analyzed:	06.09.2020 08:43		06.09.2020 09:04		06.09.2020 09:24		06.09.2020 12:08		06.09.2020 12:28		06.10.2020 14:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00397	0.00397	<0.00398	0.00398	<0.00394	0.00394	<0.00398	0.00398	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00199	0.00199	<0.00197	0.00197	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:08		06.08.2020 17:11		06.08.2020 17:11	
	Analyzed:	06.08.2020 23:45		06.08.2020 23:51		06.08.2020 23:57		06.09.2020 00:03		06.09.2020 00:37		06.09.2020 00:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		225	10.0	354	9.94	178	9.98	231	9.92	274	10.0	237	9.96
TPH by SW8015 Mod	***Extracted:***	06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30	
	Analyzed:	06.09.2020 12:28		06.09.2020 13:30		06.09.2020 13:51		06.09.2020 14:11		06.09.2020 14:32		06.09.2020 14:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.2	50.2	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.2	50.2	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.2	50.2	<49.9	49.9
Total GRO-DRO		<49.8	49.8	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.2	50.2	<49.9	49.9
Total TPH		<49.8	49.8	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.2	50.2	<49.9	49.9

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 663709

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Kyle Littrell
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.11.2020 12:01
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663709-007		663709-008		663709-009		663709-010		663709-011		663709-012	
	Field Id:	FS07		FS08		FS09		FS10		FS11		FS12	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.03.2020 14:30		06.03.2020 14:45		06.03.2020 15:00		06.04.2020 13:15		06.04.2020 13:30		06.04.2020 13:45	
BTEX by EPA 8021B	***Extracted:***	06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28	
	Analyzed:	06.10.2020 14:56		06.10.2020 15:16		06.10.2020 15:37		06.10.2020 15:57		06.10.2020 16:17		06.10.2020 16:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00403	0.00403	<0.00396	0.00396	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11	
	Analyzed:	06.09.2020 01:01		06.09.2020 01:06		06.09.2020 01:12		06.09.2020 01:29		06.09.2020 01:35		06.09.2020 01:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		187	9.92	222	9.92	56.4	9.88	263	9.90	63.5	9.96	148	9.98
TPH by SW8015 Mod	***Extracted:***	06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30	
	Analyzed:	06.09.2020 15:13		06.09.2020 15:33		06.09.2020 15:54		06.09.2020 16:15		06.09.2020 16:56		06.09.2020 17:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.3	50.3	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.3	50.3	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.2	50.2
Total TPH		<50.3	50.3	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.2	50.2

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 663709

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Kyle Littrell
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.11.2020 12:01
Project Manager: Jessica Kramer

Analysis Requested		663709-013		663709-014		663709-015		663709-016		663709-017		663709-018	
	Field Id:	FS13		FS14		FS15		FS16		FS17		FS18	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.05.2020 10:35		06.05.2020 10:45		06.05.2020 10:55		06.05.2020 11:05		06.05.2020 11:15		06.05.2020 11:25	
BTEX by EPA 8021B	*Extracted:*	06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28	
	Analyzed:	06.10.2020 16:58		06.10.2020 17:19		06.10.2020 17:39		06.10.2020 18:40		06.10.2020 19:01		06.10.2020 19:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.00396	0.00396	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198
Chloride by EPA 300	*Extracted:*	06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11	
	Analyzed:	06.09.2020 01:47		06.09.2020 01:53		06.09.2020 01:58		06.09.2020 02:04		06.09.2020 02:21		06.09.2020 02:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		386	9.88	97.5	10.0	17.6	10.0	355	9.94	12.5	9.98	26.7	10.0
TPH by SW8015 Mod	*Extracted:*	06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 13:30		06.08.2020 17:30	
	Analyzed:	06.08.2020 20:29		06.08.2020 20:49		06.08.2020 21:10		06.08.2020 21:31		06.08.2020 21:51		06.09.2020 17:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.2	50.2	<50.3	50.3
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.2	50.2	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.2	50.2	<50.3	50.3
Total GRO-DRO		<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.2	50.2	<50.3	50.3
Total TPH		<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.2	50.2	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 663709

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012920091
Contact: Kyle Littrell
Project Location:

Date Received in Lab: Mon 06.08.2020 11:00
Report Date: 06.11.2020 12:01
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663709-019		663709-020		663709-021		663709-022		663709-023		663709-024	
	Field Id:	FS19		FS20		FS21		FS22		FS23		FS24	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.05.2020 11:35		06.05.2020 11:45		06.05.2020 11:55		06.05.2020 12:05		06.05.2020 12:15		06.05.2020 13:40	
BTEX by EPA 8021B	***Extracted:***	06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28		06.09.2020 10:28	
	Analyzed:	06.10.2020 19:41		06.10.2020 20:02		06.10.2020 20:22		06.10.2020 20:42		06.10.2020 21:03		06.10.2020 21:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00395	0.00395	<0.00398	0.00398	<0.00400	0.00400	<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11		06.08.2020 17:11	
	Analyzed:	06.09.2020 02:45		06.09.2020 02:50		06.09.2020 02:56		06.09.2020 03:02		06.09.2020 03:08		06.09.2020 03:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		77.3	10.0	15.2	9.92	24.5	9.92	27.8	9.98	17.4	9.96	361	9.98
TPH by SW8015 Mod	***Extracted:***	06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30		06.08.2020 17:30	
	Analyzed:	06.09.2020 17:57		06.09.2020 18:18		06.09.2020 18:38		06.09.2020 18:59		06.09.2020 19:20		06.09.2020 19:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1
Diesel Range Organics (DRO)		<50.1	50.1	<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1
Total GRO-DRO		<50.1	50.1	<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1
Total TPH		<50.1	50.1	<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1

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

Jessica Kramer
Project Manager

Analytical Report 663709

for

LT Environmental, Inc.

Project Manager: Kyle Littrell

Corral Canyon 008H

012920091

06.11.2020

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 (20-035-0)

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
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 (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.11.2020

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

Reference: XENCO Report No(s): **663709**
Corral Canyon 008H
Project Address:

Kyle Littrell:

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) 663709. 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. 663709 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,

Jessica Kramer

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 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS01	S	06.03.2020 13:00	1 ft	663709-001
FS02	S	06.03.2020 13:15	1 ft	663709-002
FS03	S	06.03.2020 13:30	1 ft	663709-003
FS04	S	06.03.2020 13:45	2 ft	663709-004
FS05	S	06.03.2020 14:00	2 ft	663709-005
FS06	S	06.03.2020 14:15	2 ft	663709-006
FS07	S	06.03.2020 14:30	2 ft	663709-007
FS08	S	06.03.2020 14:45	2 ft	663709-008
FS09	S	06.03.2020 15:00	2 ft	663709-009
FS10	S	06.04.2020 13:15	2 ft	663709-010
FS11	S	06.04.2020 13:30	2 ft	663709-011
FS12	S	06.04.2020 13:45	2 ft	663709-012
FS13	S	06.05.2020 10:35	4 ft	663709-013
FS14	S	06.05.2020 10:45	4 ft	663709-014
FS15	S	06.05.2020 10:55	4 ft	663709-015
FS16	S	06.05.2020 11:05	4 ft	663709-016
FS17	S	06.05.2020 11:15	4 ft	663709-017
FS18	S	06.05.2020 11:25	4 ft	663709-018
FS19	S	06.05.2020 11:35	4 ft	663709-019
FS20	S	06.05.2020 11:45	4 ft	663709-020
FS21	S	06.05.2020 11:55	4 ft	663709-021
FS22	S	06.05.2020 12:05	4 ft	663709-022
FS23	S	06.05.2020 12:15	4 ft	663709-023
FS24	S	06.05.2020 13:40	4 ft	663709-024

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Corral Canyon 008H

Project ID: *012920091*
Work Order Number(s): *663709*

Report Date: *06.11.2020*
Date Received: *06.08.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-001	Date Collected:	06.03.2020 13:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**225**	10.0	mg/kg	06.08.2020 23:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.09.2020 12:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.09.2020 12:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.09.2020 12:28	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.09.2020 12:28	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.09.2020 12:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	06.09.2020 12:28	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 12:28	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-001	Date Collected:	06.03.2020 13:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.09.2020 08:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 08:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 08:43	
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.09.2020 08:43	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS02**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-002	Date Collected:	06.03.2020 13:15	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**354**	9.94	mg/kg	06.08.2020 23:51		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.09.2020 13:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.09.2020 13:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.09.2020 13:30	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.09.2020 13:30	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.09.2020 13:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.09.2020 13:30	
o-Terphenyl	84-15-1	108	%	70-135	06.09.2020 13:30	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS02**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-002	Date Collected:	06.03.2020 13:15	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 09:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 09:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.09.2020 09:04	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 09:04	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS03**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-003	Date Collected:	06.03.2020 13:30	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**178**	9.98	mg/kg	06.08.2020 23:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.09.2020 13:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.09.2020 13:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.09.2020 13:51	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.09.2020 13:51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.09.2020 13:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	06.09.2020 13:51	
o-Terphenyl	84-15-1	103	%	70-135	06.09.2020 13:51	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS03**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-003	Date Collected:	06.03.2020 13:30	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1
Toluene	108-88-3	<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1
Ethylbenzene	100-41-4	<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1
m,p-Xylenes	179601-23-1	<0.00394	0.00394	mg/kg	06.09.2020 09:24	U	1
o-Xylene	95-47-6	<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1
Total Xylenes	1330-20-7	<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1
Total BTEX		<0.00197	0.00197	mg/kg	06.09.2020 09:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	06.09.2020 09:24	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 09:24	

Certificate of Analytical Results 663709

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS04**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-004	Date Collected:	06.03.2020 13:45	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:08	Basis:	Wet Weight
Seq Number:	3128381				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**231**	9.92	mg/kg	06.09.2020 00:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.09.2020 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.09.2020 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.09.2020 14:11	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.09.2020 14:11	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.09.2020 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	06.09.2020 14:11	
o-Terphenyl	84-15-1	103	%	70-135	06.09.2020 14:11	

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Sample Id:	**FS04**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-004	Date Collected:	06.03.2020 13:45	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.09.2020 12:08	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.09.2020 12:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 12:08	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.09.2020 12:08	

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Sample Id:	**FS05**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-005	Date Collected:	06.03.2020 14:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**274**	10.0	mg/kg	06.09.2020 00:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.09.2020 14:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.09.2020 14:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.09.2020 14:32	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.09.2020 14:32	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.09.2020 14:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	06.09.2020 14:32	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 14:32	

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Sample Id:	**FS05**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-005	Date Collected:	06.03.2020 14:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 18:21	Basis:	Wet Weight
Seq Number:	3128363				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.09.2020 12:28	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.09.2020 12:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.09.2020 12:28	
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.09.2020 12:28	

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Sample Id:	**FS06**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-006	Date Collected:	06.03.2020 14:15	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**237**	9.96	mg/kg	06.09.2020 00:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.09.2020 14:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.09.2020 14:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.09.2020 14:52	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.09.2020 14:52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.09.2020 14:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	06.09.2020 14:52	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 14:52	

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Sample Id:	**FS06**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-006	Date Collected:	06.03.2020 14:15	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 14:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 14:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 14:35	
1,4-Difluorobenzene	540-36-3	112	%	70-130	06.10.2020 14:35	

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Sample Id:	**FS07**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-007	Date Collected:	06.03.2020 14:30	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**187**	9.92	mg/kg	06.09.2020 01:01		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.09.2020 15:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	06.09.2020 15:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.09.2020 15:13	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	06.09.2020 15:13	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	06.09.2020 15:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	06.09.2020 15:13	
o-Terphenyl	84-15-1	104	%	70-135	06.09.2020 15:13	

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Sample Id:	**FS07**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-007	Date Collected:	06.03.2020 14:30	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.10.2020 14:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.10.2020 14:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.10.2020 14:56	
4-Bromofluorobenzene	460-00-4	111	%	70-130	06.10.2020 14:56	

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Sample Id:	**FS08**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-008	Date Collected:	06.03.2020 14:45	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**222**	9.92	mg/kg	06.09.2020 01:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.09.2020 15:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.09.2020 15:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.09.2020 15:33	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.09.2020 15:33	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.09.2020 15:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	06.09.2020 15:33	
o-Terphenyl	84-15-1	106	%	70-135	06.09.2020 15:33	

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Sample Id:	**FS08**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-008	Date Collected:	06.03.2020 14:45	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	06.10.2020 15:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.10.2020 15:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.10.2020 15:16	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.10.2020 15:16	

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Sample Id:	**FS09**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-009	Date Collected:	06.03.2020 15:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.4**	9.88	mg/kg	06.09.2020 01:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	06.09.2020 15:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	06.09.2020 15:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	06.09.2020 15:54	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	06.09.2020 15:54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	06.09.2020 15:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.09.2020 15:54	
o-Terphenyl	84-15-1	108	%	70-135	06.09.2020 15:54	

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Sample Id:	**FS09**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-009	Date Collected:	06.03.2020 15:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.10.2020 15:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.10.2020 15:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 15:37	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.10.2020 15:37	

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Sample Id:	**FS10**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-010	Date Collected:	06.04.2020 13:15	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**263**	9.90	mg/kg	06.09.2020 01:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	06.09.2020 16:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	06.09.2020 16:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	06.09.2020 16:15	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	06.09.2020 16:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	06.09.2020 16:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	06.09.2020 16:15	
o-Terphenyl	84-15-1	100	%	70-135	06.09.2020 16:15	

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Sample Id:	**FS10**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-010	Date Collected:	06.04.2020 13:15	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.10.2020 15:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.10.2020 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	06.10.2020 15:57	
1,4-Difluorobenzene	540-36-3	107	%	70-130	06.10.2020 15:57	

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Sample Id:	**FS11**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-011	Date Collected:	06.04.2020 13:30	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**63.5**	9.96	mg/kg	06.09.2020 01:35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.09.2020 16:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.09.2020 16:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.09.2020 16:56	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.09.2020 16:56	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.09.2020 16:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.09.2020 16:56	
o-Terphenyl	84-15-1	98	%	70-135	06.09.2020 16:56	

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Sample Id:	**FS11**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-011	Date Collected:	06.04.2020 13:30	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 16:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	06.10.2020 16:17	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.10.2020 16:17	

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Sample Id:	**FS12**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-012	Date Collected:	06.04.2020 13:45	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**148**	9.98	mg/kg	06.09.2020 01:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.09.2020 17:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.09.2020 17:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.09.2020 17:16	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.09.2020 17:16	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.09.2020 17:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	06.09.2020 17:16	
o-Terphenyl	84-15-1	104	%	70-135	06.09.2020 17:16	

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Sample Id:	**FS12**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-012	Date Collected:	06.04.2020 13:45	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.10.2020 16:38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.10.2020 16:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	06.10.2020 16:38	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 16:38	

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Sample Id:	**FS13**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-013	Date Collected:	06.05.2020 10:35	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**386**	9.88	mg/kg	06.09.2020 01:47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128299				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	06.08.2020 20:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	06.08.2020 20:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	06.08.2020 20:29	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	06.08.2020 20:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	06.08.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	06.08.2020 20:29	
o-Terphenyl	84-15-1	86	%	70-135	06.08.2020 20:29	

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Sample Id:	**FS13**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-013	Date Collected:	06.05.2020 10:35	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 16:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 16:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.10.2020 16:58	
4-Bromofluorobenzene	460-00-4	96	%	70-130	06.10.2020 16:58	

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Sample Id:	**FS14**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-014	Date Collected:	06.05.2020 10:45	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**97.5**	10.0	mg/kg	06.09.2020 01:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128299				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.08.2020 20:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.08.2020 20:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.08.2020 20:49	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.08.2020 20:49	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.08.2020 20:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	06.08.2020 20:49	
o-Terphenyl	84-15-1	90	%	70-135	06.08.2020 20:49	

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Sample Id:	**FS14**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-014	Date Collected:	06.05.2020 10:45	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.10.2020 17:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.10.2020 17:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 17:19	
4-Bromofluorobenzene	460-00-4	95	%	70-130	06.10.2020 17:19	

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Sample Id:	**FS15**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-015	Date Collected:	06.05.2020 10:55	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.6**	10.0	mg/kg	06.09.2020 01:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128299				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 21:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 21:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 21:10	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 21:10	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 21:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	06.08.2020 21:10	
o-Terphenyl	84-15-1	87	%	70-135	06.08.2020 21:10	

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Sample Id:	**FS15**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-015	Date Collected:	06.05.2020 10:55	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 17:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 17:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.10.2020 17:39	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.10.2020 17:39	

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Sample Id:	**FS16**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-016	Date Collected:	06.05.2020 11:05	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**355**	9.94	mg/kg	06.09.2020 02:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128299				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.08.2020 21:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.08.2020 21:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.08.2020 21:31	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	06.08.2020 21:31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.08.2020 21:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	06.08.2020 21:31	
o-Terphenyl	84-15-1	87	%	70-135	06.08.2020 21:31	

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Sample Id:	**FS16**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-016	Date Collected:	06.05.2020 11:05	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.10.2020 18:40	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.10.2020 18:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 18:40	
4-Bromofluorobenzene	460-00-4	96	%	70-130	06.10.2020 18:40	

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Sample Id:	**FS17**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-017	Date Collected:	06.05.2020 11:15	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.5**	9.98	mg/kg	06.09.2020 02:21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 13:30	Basis:	Wet Weight
Seq Number:	3128299				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	06.08.2020 21:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	06.08.2020 21:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	06.08.2020 21:51	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	06.08.2020 21:51	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	06.08.2020 21:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	06.08.2020 21:51	
o-Terphenyl	84-15-1	88	%	70-135	06.08.2020 21:51	

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Sample Id:	**FS17**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-017	Date Collected:	06.05.2020 11:15	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	06.10.2020 19:01	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.10.2020 19:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 19:01	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.10.2020 19:01	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS18**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-018	Date Collected:	06.05.2020 11:25	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.7**	10.0	mg/kg	06.09.2020 02:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.09.2020 17:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	06.09.2020 17:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.09.2020 17:37	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	06.09.2020 17:37	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	06.09.2020 17:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	06.09.2020 17:37	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 17:37	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS18**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-018	Date Collected:	06.05.2020 11:25	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.10.2020 19:21	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.10.2020 19:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 19:21	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 19:21	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS19**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-019	Date Collected:	06.05.2020 11:35	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.3**	10.0	mg/kg	06.09.2020 02:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.09.2020 17:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.09.2020 17:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.09.2020 17:57	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.09.2020 17:57	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.09.2020 17:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	06.09.2020 17:57	
o-Terphenyl	84-15-1	104	%	70-135	06.09.2020 17:57	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS19**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-019	Date Collected:	06.05.2020 11:35	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 19:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 19:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 19:41	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 19:41	

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Corral Canyon 008H

Sample Id:	**FS20**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-020	Date Collected:	06.05.2020 11:45	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.2**	9.92	mg/kg	06.09.2020 02:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	06.09.2020 18:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	06.09.2020 18:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	06.09.2020 18:18	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	06.09.2020 18:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	06.09.2020 18:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	06.09.2020 18:18	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 18:18	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS20**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-020	Date Collected:	06.05.2020 11:45	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.10.2020 20:02	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.10.2020 20:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 20:02	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.10.2020 20:02	

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Corral Canyon 008H

Sample Id:	**FS21**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-021	Date Collected:	06.05.2020 11:55	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.5**	9.92	mg/kg	06.09.2020 02:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.09.2020 18:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	06.09.2020 18:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.09.2020 18:38	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	06.09.2020 18:38	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	06.09.2020 18:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.09.2020 18:38	
o-Terphenyl	84-15-1	102	%	70-135	06.09.2020 18:38	

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LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**FS21**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-021	Date Collected:	06.05.2020 11:55	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	06.10.2020 20:22	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.10.2020 20:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 20:22	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 20:22	

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Corral Canyon 008H

Sample Id:	**FS22**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-022	Date Collected:	06.05.2020 12:05	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.8**	9.98	mg/kg	06.09.2020 03:02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.09.2020 18:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.09.2020 18:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.09.2020 18:59	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	06.09.2020 18:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.09.2020 18:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	06.09.2020 18:59	
o-Terphenyl	84-15-1	107	%	70-135	06.09.2020 18:59	

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Corral Canyon 008H

Sample Id:	**FS22**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-022	Date Collected:	06.05.2020 12:05	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.10.2020 20:42	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.10.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.10.2020 20:42	
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.10.2020 20:42	

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Sample Id:	**FS23**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-023	Date Collected:	06.05.2020 12:15	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.4**	9.96	mg/kg	06.09.2020 03:08		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	06.09.2020 19:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	06.09.2020 19:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	06.09.2020 19:20	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	06.09.2020 19:20	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	06.09.2020 19:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	06.09.2020 19:20	
o-Terphenyl	84-15-1	108	%	70-135	06.09.2020 19:20	

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Sample Id:	**FS23**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-023	Date Collected:	06.05.2020 12:15	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.10.2020 21:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.10.2020 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.10.2020 21:03	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.10.2020 21:03	

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Sample Id:	**FS24**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-024	Date Collected:	06.05.2020 13:40	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.08.2020 17:11	Basis:	Wet Weight
Seq Number:	3128382				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**361**	9.98	mg/kg	06.09.2020 03:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.08.2020 17:30	Basis:	Wet Weight
Seq Number:	3128399				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.09.2020 19:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.09.2020 19:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.09.2020 19:40	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.09.2020 19:40	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.09.2020 19:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	06.09.2020 19:40	
o-Terphenyl	84-15-1	112	%	70-135	06.09.2020 19:40	

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Corral Canyon 008H

Sample Id:	**FS24**	Matrix:	Soil	Date Received:	06.08.2020 11:00
Lab Sample Id:	663709-024	Date Collected:	06.05.2020 13:40	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.09.2020 10:28	Basis:	Wet Weight
Seq Number:	3128593				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.10.2020 21:23	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.10.2020 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.10.2020 21:23	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.10.2020 21:23	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 663709

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705031-1-BLK — LCS Sample Id: 7705031-1-BKS — LCSD Sample Id: 7705031-1-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	252	101	253	101	90-110	0	20	mg/kg	06.08.2020 21:21	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128382 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705032-1-BLK — LCS Sample Id: 7705032-1-BKS — LCSD Sample Id: 7705032-1-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	252	101	254	102	90-110	1	20	mg/kg	06.09.2020 00:26	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-006 — MS Sample Id: 663707-006 S — MSD Sample Id: 663707-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	262	201	457	97	458	98	90-110	0	20	mg/kg	06.08.2020 21:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128381 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-016 — MS Sample Id: 663707-016 S — MSD Sample Id: 663707-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	162	200	382	110	356	97	90-110	7	20	mg/kg	06.08.2020 22:59	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128382 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663709-005 — MS Sample Id: 663709-005 S — MSD Sample Id: 663709-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	274	200	461	94	463	95	90-110	0	20	mg/kg	06.09.2020 00:43	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128382 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663709-016 — MS Sample Id: 663709-016 S — MSD Sample Id: 663709-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	355	199	546	96	546	96	90-110	0	20	mg/kg	06.09.2020 02:10	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 663709

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128299 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7704998-1-BLK — LCS Sample Id: 7704998-1-BKS — LCSD Sample Id: 7704998-1-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	1000	100	1010	101	70-135	1	35	mg/kg	06.08.2020 13:38	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1010	101	70-135	0	35	mg/kg	06.08.2020 13:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		109		107		70-135	%	06.08.2020 13:38
o-Terphenyl	90		95		93		70-135	%	06.08.2020 13:38

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128399 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705004-1-BLK — LCS Sample Id: 7705004-1-BKS — LCSD Sample Id: 7705004-1-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	944	94	974	97	70-135	3	35	mg/kg	06.09.2020 11:47	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1040	104	70-135	3	35	mg/kg	06.09.2020 11:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		104		104		70-135	%	06.09.2020 11:47
o-Terphenyl	94		96		96		70-135	%	06.09.2020 11:47

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128299 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7704998-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.08.2020 13:17	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128399 — Matrix: Solid — Date Prep: 06.08.2020
MB Sample Id: 7705004-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.09.2020 11:27	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 663709

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3128299 | Matrix: Soil | Date Prep: 06.08.2020
Parent Sample Id: 663699-002 | MS Sample Id: 663699-002 S | MSD Sample Id: 663699-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1090	109	997	100	70-135	9	35	mg/kg	06.08.2020 14:39	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1010	101	70-135	8	35	mg/kg	06.08.2020 14:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		107		70-135	%	06.08.2020 14:39
o-Terphenyl	102		95		70-135	%	06.08.2020 14:39

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3128399 | Matrix: Soil | Date Prep: 06.08.2020
Parent Sample Id: 663709-001 | MS Sample Id: 663709-001 S | MSD Sample Id: 663709-001 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)	<49.9	998	996	100	1020	102	70-135	2	35	mg/kg	06.09.2020 12:49	
Diesel Range Organics (DRO)	<49.9	998	1060	106	1100	110	70-135	4	35	mg/kg	06.09.2020 12:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		123		70-135	%	06.09.2020 12:49
o-Terphenyl	111		116		70-135	%	06.09.2020 12:49

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3128363 | Matrix: Solid | Date Prep: 06.08.2020
MB Sample Id: 7705037-1-BLK | LCS Sample Id: 7705037-1-BKS | LCSD Sample Id: 7705037-1-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	0.110	110	0.104	104	70-130	6	35	mg/kg	06.09.2020 01:15	
Toluene	<0.00200	0.100	0.104	104	0.100	100	70-130	4	35	mg/kg	06.09.2020 01:15	
Ethylbenzene	<0.00200	0.100	0.0979	98	0.0933	93	71-129	5	35	mg/kg	06.09.2020 01:15	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.191	96	70-135	5	35	mg/kg	06.09.2020 01:15	
o-Xylene	<0.00200	0.100	0.101	101	0.0977	98	71-133	3	35	mg/kg	06.09.2020 01:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		107		106		70-130	%	06.09.2020 01:15
4-Bromofluorobenzene	96		96		93		70-130	%	06.09.2020 01:15

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 663709

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128593 — Matrix: Solid — Date Prep: 06.09.2020
MB Sample Id: 7705040-1-BLK — LCS Sample Id: 7705040-1-BKS — LCSD Sample Id: 7705040-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.101	101	70-130	6	35	mg/kg	06.10.2020 12:54	
Toluene	<0.00200	0.100	0.102	102	0.0962	96	70-130	6	35	mg/kg	06.10.2020 12:54	
Ethylbenzene	<0.00200	0.100	0.0958	96	0.0895	90	71-129	7	35	mg/kg	06.10.2020 12:54	
m,p-Xylenes	<0.00400	0.200	0.196	98	0.182	91	70-135	7	35	mg/kg	06.10.2020 12:54	
o-Xylene	<0.00200	0.100	0.101	101	0.0933	93	71-133	8	35	mg/kg	06.10.2020 12:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		107		108		70-130	%	06.10.2020 12:54
4-Bromofluorobenzene	97		93		94		70-130	%	06.10.2020 12:54

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128363 — Matrix: Soil — Date Prep: 06.08.2020
Parent Sample Id: 663707-006 — MS Sample Id: 663707-006 S — MSD Sample Id: 663707-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.100	100	0.0949	95	70-130	5	35	mg/kg	06.09.2020 01:55	
Toluene	<0.00200	0.0998	0.105	105	0.0988	99	70-130	6	35	mg/kg	06.09.2020 01:55	
Ethylbenzene	<0.00200	0.0998	0.0937	94	0.0887	89	71-129	5	35	mg/kg	06.09.2020 01:55	
m,p-Xylenes	<0.00399	0.200	0.196	98	0.185	92	70-135	6	35	mg/kg	06.09.2020 01:55	
o-Xylene	<0.00200	0.0998	0.0953	95	0.0907	91	71-133	5	35	mg/kg	06.09.2020 01:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		108		70-130	%	06.09.2020 01:55
4-Bromofluorobenzene	96		95		70-130	%	06.09.2020 01:55

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3128593 — Matrix: Soil — Date Prep: 06.09.2020
Parent Sample Id: 663709-006 — MS Sample Id: 663709-006 S — MSD Sample Id: 663709-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.105	105	0.126	126	70-130	18	35	mg/kg	06.10.2020 13:34	
Toluene	<0.00199	0.0996	0.101	101	0.121	121	70-130	18	35	mg/kg	06.10.2020 13:34	
Ethylbenzene	<0.00199	0.0996	0.0925	93	0.113	113	71-129	20	35	mg/kg	06.10.2020 13:34	
m,p-Xylenes	<0.00398	0.199	0.192	96	0.233	117	70-135	19	35	mg/kg	06.10.2020 13:34	
o-Xylene	<0.00199	0.0996	0.0951	95	0.116	116	71-133	20	35	mg/kg	06.10.2020 13:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		107		70-130	%	06.10.2020 13:34
4-Bromofluorobenzene	94		93		70-130	%	06.10.2020 13:34

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 663709

www.xenco.com Page 1 of 3

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	012919305	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	3.2	Temp Blank: (Yes) No	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	TM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:	24

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS01	S	6/3/2020	1300	1'	1	X	X	X
FS02	S	6/3/2020	1315	1'	1	X	X	X
FS03	S	6/3/2020	1330	1'	1	X	X	X
FS04	S	6/3/2020	1345	2'	1	X	X	X
FS05	S	6/3/2020	1400	2'	1	X	X	X
FS06	S	6/3/2020	1415	2'	1	X	X	X
FS07	S	6/3/2020	1430	2'	1	X	X	X
FS08	S	6/3/2020	1445	2'	1	X	X	X
FS09	S	6/3/2020	1500	2'	1	X	X	X
FS10	S	6/4/2020	1315	2'	1	X	X	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

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

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/8/20 9:00am	2			6/8/20 11:00
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Work Order No: 663709

Page 2 of 3

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	012919305	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS11	S	6/4/2020	1330	2'	1	X	X	X
FS12	S	6/4/2020	1345	2'	1	X	X	X
FS13	S	6/5/2020	1035	4'	1	X	X	X
FS14	S	6/5/2020	1045	4'	1	X	X	X
FS15	S	6/5/2020	1055	4'	1	X	X	X
FS16	S	6/5/2020	1105	4'	1	X	X	X
FS17	S	6/5/2020	1115	4'	1	X	X	X
FS18	S	6/5/2020	1125	4'	1	X	X	X
FS19	S	6/5/2020	1135	4'	1	X	X	X
FS20	S	6/5/2020	1145	4'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

ce: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions
ervice. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control
nco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/8/20 9:00am	2			6/8/20 11:00
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 663709

www.xenco.com Page 3 of 3

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	012919305	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS21	S	6/5/2020	1155	4'	1	X	X	X	
FS22	S	6/5/2020	1205	4'	1	X	X	X	
FS23	S	6/5/2020	1215	4'	1	X	X	X	
FS24	S	6/5/2020	1340	4'	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/8/20 9:00	2			6/8/20 11:00
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 06.08.2020 11.00.00 AM

Work Order #: 663709

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)?	3.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	
#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: Martha Castro Date: 06.08.2020

Checklist reviewed by: Jessica Kramer Date: 06.08.2020

Certificate of Analysis Summary 664287

LT Environmental, Inc., Arvada, CO

Project Name: Corral Canyon 008H

Project Id: 012919305
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu 06.11.2020 14:20
Report Date: 06.15.2020 11:31
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	664287-001					
	Field Id:	SW21					
	Depth:	1-2 ft					
	Matrix:	SOIL					
	Sampled:	06.11.2020 10:00					
BTEX by EPA 8021B	***Extracted:***	06.12.2020 12:01					
	Analyzed:	06.12.2020 17:37					
	Units/RL:	mg/kg RL					
Benzene		<0.00201 0.00201					
Toluene		<0.00201 0.00201					
Ethylbenzene		<0.00201 0.00201					
m,p-Xylenes		<0.00402 0.00402					
o-Xylene		<0.00201 0.00201					
Total Xylenes		<0.00201 0.00201					
Total BTEX		<0.00201 0.00201					
Chloride by EPA 300	***Extracted:***	06.12.2020 16:00					
	Analyzed:	06.12.2020 17:51					
	Units/RL:	mg/kg RL					
Chloride		105 10.0					
TPH by SW8015 Mod	***Extracted:***	06.12.2020 12:00					
	Analyzed:	06.12.2020 15:25					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<50.1 50.1					
Diesel Range Organics (DRO)		<50.1 50.1					
Motor Oil Range Hydrocarbons (MRO)		<50.1 50.1					
Total GRO-DRO		<50.1 50.1					
Total TPH		<50.1 50.1					

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

Jessica Kramer
Project Manager

Analytical Report 664287

for

LT Environmental, Inc.

Project Manager: Dan Moir

Corral Canyon 008H

012919305

06.15.2020

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 (20-035-0)

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
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 (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.15.2020

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

Reference: XENCO Report No(s): **664287**
Corral Canyon 008H
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 664287. 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. 664287 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,

Jessica Kramer

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 664287

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW21	S	06.11.2020 10:00	1 - 2 ft	664287-001

CASE NARRATIVE

Client Name: LT Environmental, Inc.
Project Name: Corral Canyon 008H

Project ID: *012919305*
Work Order Number(s): *664287*

Report Date: *06.15.2020*
Date Received: *06.11.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 664287

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW21**	Matrix:	Soil	Date Received:	06.11.2020 14:20
Lab Sample Id:	664287-001	Date Collected:	06.11.2020 10:00	Sample Depth:	1 - 2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.12.2020 16:00	Basis:	Wet Weight
Seq Number:	3128910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**105**	10.0	mg/kg	06.12.2020 17:51		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	06.12.2020 12:00	Basis:	Wet Weight
Seq Number:	3128908				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	06.12.2020 15:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	06.12.2020 15:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	06.12.2020 15:25	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	06.12.2020 15:25	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	06.12.2020 15:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.12.2020 15:25	
o-Terphenyl	84-15-1	98	%	70-135	06.12.2020 15:25	

Certificate of Analytical Results 664287

LT Environmental, Inc., Arvada, CO

Corral Canyon 008H

Sample Id:	**SW21**	Matrix:	Soil	Date Received:	06.11.2020 14:20
Lab Sample Id:	664287-001	Date Collected:	06.11.2020 10:00	Sample Depth:	1 - 2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	06.12.2020 12:01	Basis:	Wet Weight
Seq Number:	3128788				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.12.2020 17:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.12.2020 17:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.12.2020 17:37	
4-Bromofluorobenzene	460-00-4	95	%	70-130	06.12.2020 17:37	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 664287

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128910 — Matrix: Solid — Date Prep: 06.12.2020
MB Sample Id: 7705387-1-BLK — LCS Sample Id: 7705387-1-BKS — LCSD Sample Id: 7705387-1-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	243	97	249	100	90-110	2	20	mg/kg	06.12.2020 16:41	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3128910 — Matrix: Soil — Date Prep: 06.12.2020
Parent Sample Id: 664285-001 — MS Sample Id: 664285-001 S — MSD Sample Id: 664285-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	374	200	562	94	564	95	90-110	0	20	mg/kg	06.12.2020 16:58	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128908 — Matrix: Solid — Date Prep: 06.12.2020
MB Sample Id: 7705381-1-BLK — LCS Sample Id: 7705381-1-BKS — LCSD Sample Id: 7705381-1-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	974	97	959	96	70-135	2	35	mg/kg	06.12.2020 12:43	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1090	109	70-135	0	35	mg/kg	06.12.2020 12:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		110		108		70-135	%	06.12.2020 12:43
o-Terphenyl	96		104		102		70-135	%	06.12.2020 12:43

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128908 — Matrix: Solid — Date Prep: 06.12.2020
MB Sample Id: 7705381-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.12.2020 12:23	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128908 — Matrix: Soil — Date Prep: 06.12.2020
Parent Sample Id: 664285-001 — MS Sample Id: 664285-001 S — MSD Sample Id: 664285-001 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)	<49.8	995	941	95	956	96	70-135	2	35	mg/kg	06.12.2020 13:44	
Diesel Range Organics (DRO)	<49.8	995	1070	108	1070	107	70-135	0	35	mg/kg	06.12.2020 13:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		109		70-135	%	06.12.2020 13:44
o-Terphenyl	107		104		70-135	%	06.12.2020 13:44

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 664287

LT Environmental, Inc.

Corral Canyon 008H

Analytical Method: BTEX by EPA 8021B
Prep Method: SW5035A
Seq Number: 3128788
Matrix: Solid
Date Prep: 06.12.2020
MB Sample Id: 7705312-1-BLK
LCS Sample Id: 7705312-1-BKS
LCSD Sample Id: 7705312-1-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	0.105	105	0.109	109	70-130	4	35	mg/kg	06.12.2020 10:08	
Toluene	<0.00200	0.100	0.0998	100	0.104	104	70-130	4	35	mg/kg	06.12.2020 10:08	
Ethylbenzene	<0.00200	0.100	0.0920	92	0.0972	97	71-129	5	35	mg/kg	06.12.2020 10:08	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.197	99	70-135	4	35	mg/kg	06.12.2020 10:08	
o-Xylene	<0.00200	0.100	0.0969	97	0.101	101	71-133	4	35	mg/kg	06.12.2020 10:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		107		109		70-130	%	06.12.2020 10:08
4-Bromofluorobenzene	96		93		92		70-130	%	06.12.2020 10:08

Analytical Method: BTEX by EPA 8021B
Prep Method: SW5035A
Seq Number: 3128788
Matrix: Soil
Date Prep: 06.12.2020
Parent Sample Id: 664229-004
MS Sample Id: 664229-004 S
MSD Sample Id: 664229-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.101	101	0.0996	99	70-130	1	35	mg/kg	06.12.2020 10:49	
Toluene	<0.00199	0.0996	0.0962	97	0.0950	94	70-130	1	35	mg/kg	06.12.2020 10:49	
Ethylbenzene	<0.00199	0.0996	0.0905	91	0.0887	88	71-129	2	35	mg/kg	06.12.2020 10:49	
m,p-Xylenes	<0.00398	0.199	0.184	92	0.181	90	70-135	2	35	mg/kg	06.12.2020 10:49	
o-Xylene	<0.00199	0.0996	0.0928	93	0.0910	90	71-133	2	35	mg/kg	06.12.2020 10:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		107		70-130	%	06.12.2020 10:49
4-Bromofluorobenzene	95		90		70-130	%	06.12.2020 10:49

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Chain of Custody

Work Order No: 464287

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	slo@ltenv.com, dmoir@ltenv.com, kkennedy@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon 008H	Turn Around	
Project Number:	01291930S	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	3.0/2.8	Temp Blank: Yes / No	Wet Ice: Yes / No
Received Intact:	Yes / No	Thermometer ID	TNM007
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes / No / N/A	Total Containers:	1

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SW21	S	6.11.20	1000	1-2	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Spencer Lo		6/11/20 @ 1411	2			6/11/20 14:20
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 06.11.2020 02.20.00 PM

Work Order #: 664287

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)?	2.8	
#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: 06.11.2020

Checklist reviewed by: Jessica Kramer Date: 06.15.2020

Jessica Kramer

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

CONDITIONS

Action 9039

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	5380	9039	C-141

OCD Reviewer	Condition
chensley	None