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LT Environmental, Inc.
820 Megan Avenue, Unit B
Rifle, Colorado 81650
970.285.9985

March 4, 2020

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

RE: Assessment Report and Proposed Remediation Work Plan
WPX Energy Permian, LLC.
Ape Fee #001
Incident ID NVV2003029246
Eddy County, New Mexico

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of WPX Energy Permian, LLC. (WPX), presents the following Assessment Report and Proposed Remediation Work Plan detailing soil sampling and planned remedial actions at the Ape Fee #001 (Site) in Units H and L, Sections 4 and 5, Township 23 South, Range 27 East, in Eddy County, New Mexico (Figure 1). The purpose of this report is to summarize the scope of work discussed between WPX and the New Mexico Oil Conservation Division (NMOCD) via phone call on February 25, 2020.

BACKGROUND

On January 21, 2020 at approx. 2:30 A.M., a split approximately 0.5 inches in diameter developed in the flowline connected to the Ape Fee #001 wellhead, causing a release of natural gas, produced water, and crude oil. The fluids misted onto the adjacent property. The volume of fluids released are estimated to be below 25 barrels (bbls) and 500 thousand cubic feet (MCF). Approximately 0.5 bbls of free liquids were observed at the point of the damaged flowline; however, no additional free liquids were observed. WPX responded by stopping the source by shutting in the Ape Fee #001 well and containing released materials. Remediation was initiated by collecting free liquids, applying absorbent materials to the adjacent roadway, and excavating visually impacted soil. Approximately 25 cubic yards of impacted soil were excavated and transferred to the R360 landfill located in Hobbs, New Mexico. A light misting from the release was observed affecting a portion of the ground surface, structures, and livestock on the neighboring property. With the landowner's permission, WPX handwashed the livestock with water and soap and power washed a storage trailer to remove any potential production fluids.

WPX contacted the NMOCD via a phone call to the District II office and followed up with an email to District II personnel to provide courtesy notification of the incident. WPX also reported the release to the NMOCD on an initial Release Notification and Corrective Action Form C-141 (Form

C-141) on January 26, 2020, and was assigned Incident ID NVV2003029246. Following further investigation, WPX revised the Form C-141 with more detail (Attachment 1).

WPX mapped the release extent, then applied MicroBlaze and excavated visibly impacted soil identified on the adjacent affected property. Eight boreholes (BH01 through BH08) were advanced on the private property located west of South Thomason Road as shown on Figure 1. Boreholes were advanced using a hand auger to investigate the presence or absence of impacted soil in the subsurface. The results of that investigation were presented in an *Assessment Report and Proposed Remediation Work Plan* dated February 3, 2020. The remediation work plan proposed continued soil sampling activities and excavation of identified impacted soil with appropriate confirmation sampling. The subsequent sections of this report discuss results of the additional soil sampling.

CLOSURE CRITERIA

As presented in the February 3, 2020 *Assessment Report and Proposed Remediation Work Plan*, the following NMOCD Table 1 closure criteria apply: 10 milligrams per kilogram (mg/kg) benzene; 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX); 100 mg/kg total petroleum hydrocarbons (TPH); and 600 mg/kg chloride.

CONTINUED SOIL SAMPLING

On February 14 and 18, 2020, additional soil samples were collected from the release area (BH09 through BH19) and excavation areas (FS01 through FS24) as described in the *Assessment Report and Proposed Remediation Work Plan* dated February 3, 2020. The NMOCD was on site during all sampling activities and directed additional soil sample locations. At the direction of the NMOCD, discreet soil samples were collected from the excavation area south of the landowner's property in order to ensure samples were collected below the road base that had been spread in the area. All soil samples were field screened for volatile aromatic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (USEPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following USEPA Method 8015M/D; and chloride following USEPA Method 300.0. Soil sample locations are depicted on the attached Figure 2 and Figure 3.

ANALYTICAL RESULTS

Laboratory analytical results of soil samples indicate concentrations of TPH and chloride within the release area exceeding the Closure Criteria. One discrete sample (SS11) exceeded the Closure

Criteria for chloride, containing 697 milligrams per kilogram (mg/kg) compared to the standard of 600 mg/kg. One discrete sample (SS09) exceeded the Closure Criteria for TPH with 183 mg/kg compared to the standard of 100 mg/kg. Six of the 24 excavation samples exceeded the Closure Criteria for TPH, ranging from 251 mg/kg in FS01 to 5,760 mg/kg in FS03. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 2.

PROPOSED CONTINUED ASSESSMENT AND REMEDIATION WORK PLAN

Based on results of the additional soil sampling and instructions from the NMOCD, LTE is proposing additional soil sample collection around the home on the landowner's property to further investigate the chloride concentration in soil sample SS11. Soil samples will be collected from approximately 0.5 feet bgs. All soil samples will be collected, handled, and analyzed as previously described. Proposed soil sample locations are depicted on Figure 2.

Laboratory analytical results of soil sample SS09 indicate TPH impacts to soil in the pasture. All other analytes were either below the laboratory detection limit or compliant with Closure Criteria. Therefore, LTE proposes to treat the area with MicroBlaze rather than excavation due to the small size of the affected area. Following the application to the affected area, soil confirmation samples will be collected to confirm remediation. All soil samples will be collected, handled, and analyzed as previously described.

Additionally, LTE is proposing additional excavation of residual impacts identified in the southern portion of the excavation east of South Thomason Road. Excavation activities will be directed by field screening soil samples for volatile aromatic hydrocarbons using a PID and chloride using Hach® chloride QuanTab® test strips. Following completion of excavation activities, new 5-point composite confirmation soil samples will be collected from the floor and sidewalls of the excavation area. Each soil sample will represent at most 200 square feet. All soil samples will be collected, handled, and analyzed as previously described. Proposed excavation areas are depicted on Figure 3.

These activities will be scheduled and conducted immediately following approval of this remediation work plan, and a summary report requesting closure will be submitted the NMOCD following receipt of analytical results.

If you have any questions or comments, please do not hesitate to contact Mr. Chris McKisson at (970) 285-9985 or cmckisson@ltenv.com.

A proud member of WSP

Sincerely,

LT ENVIRONMENTAL, INC.

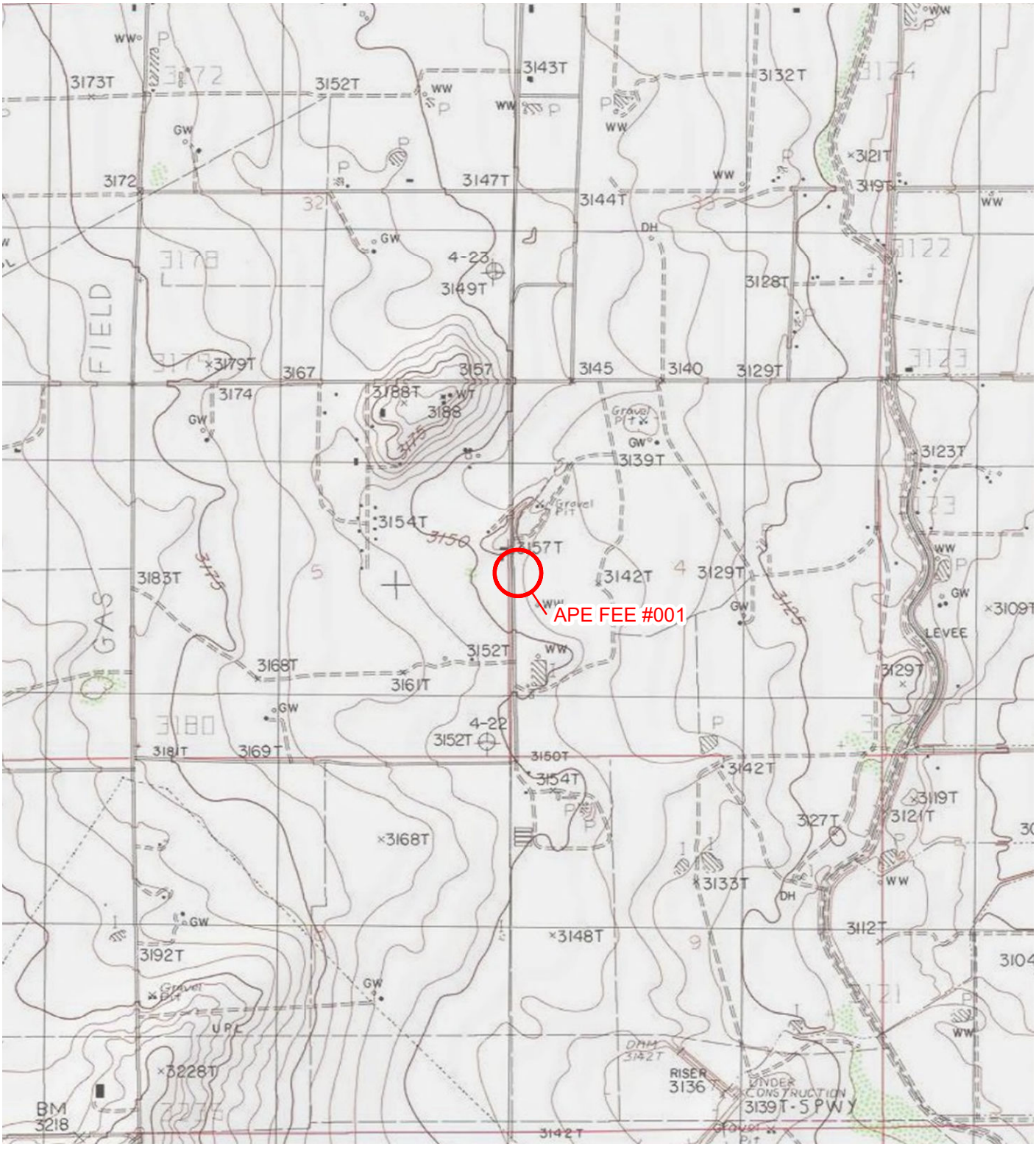
Chris McKisson
Project Environmental Scientist

Ashley L. Ager, M.S., P.G.
Senior Geologist

cc: Jim Raley, WPX
Robert Hamlet, NMOCD
Victoria Venegas, NMOCD
Jim Amos, BLM

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Form C-141
Attachment 2	Laboratory Analytical Reports



LEGEND

SITE LOCATION

0 2,000 4,000

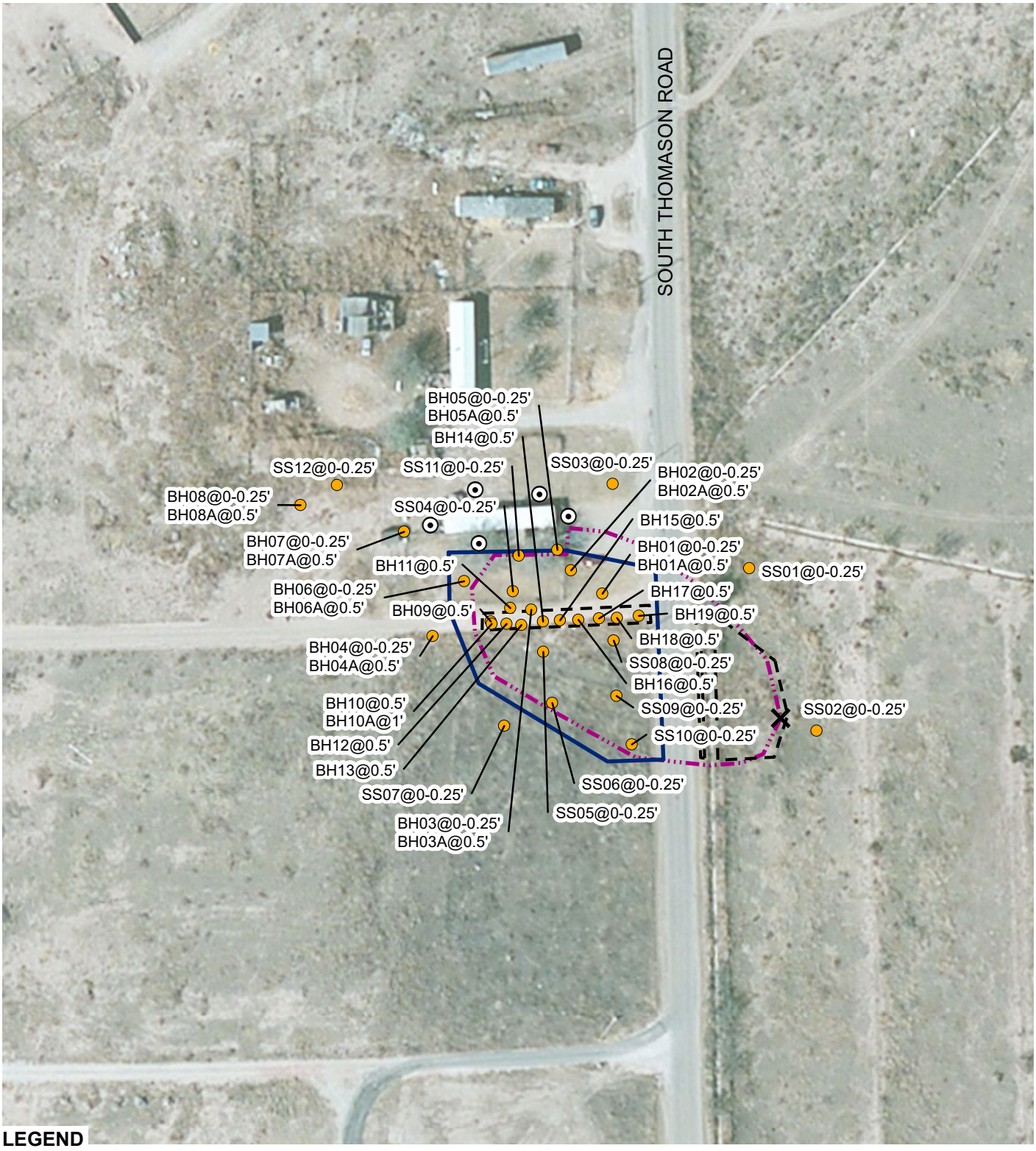
Feet

N

NEW MEXICO

FIGURE 1
SITE LOCATION MAP
APE FEE #001
UNIT H & L SEC 4 & 5 T23S R27E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034820008_APE FEE #001\034820008_FIG01_SL_2020.mxd



LEGEND

- RELEASE LOCATION
- DELINEATION SOIL SAMPLE
- PROPOSED SOIL SAMPLE LOCATION
- EXCAVATION EXTENT
- RELEASE EXTENT (24,465 SQUARE FEET)
- MICRO-BLAZE EMERGENCY LIQUID SPILL CONTROL

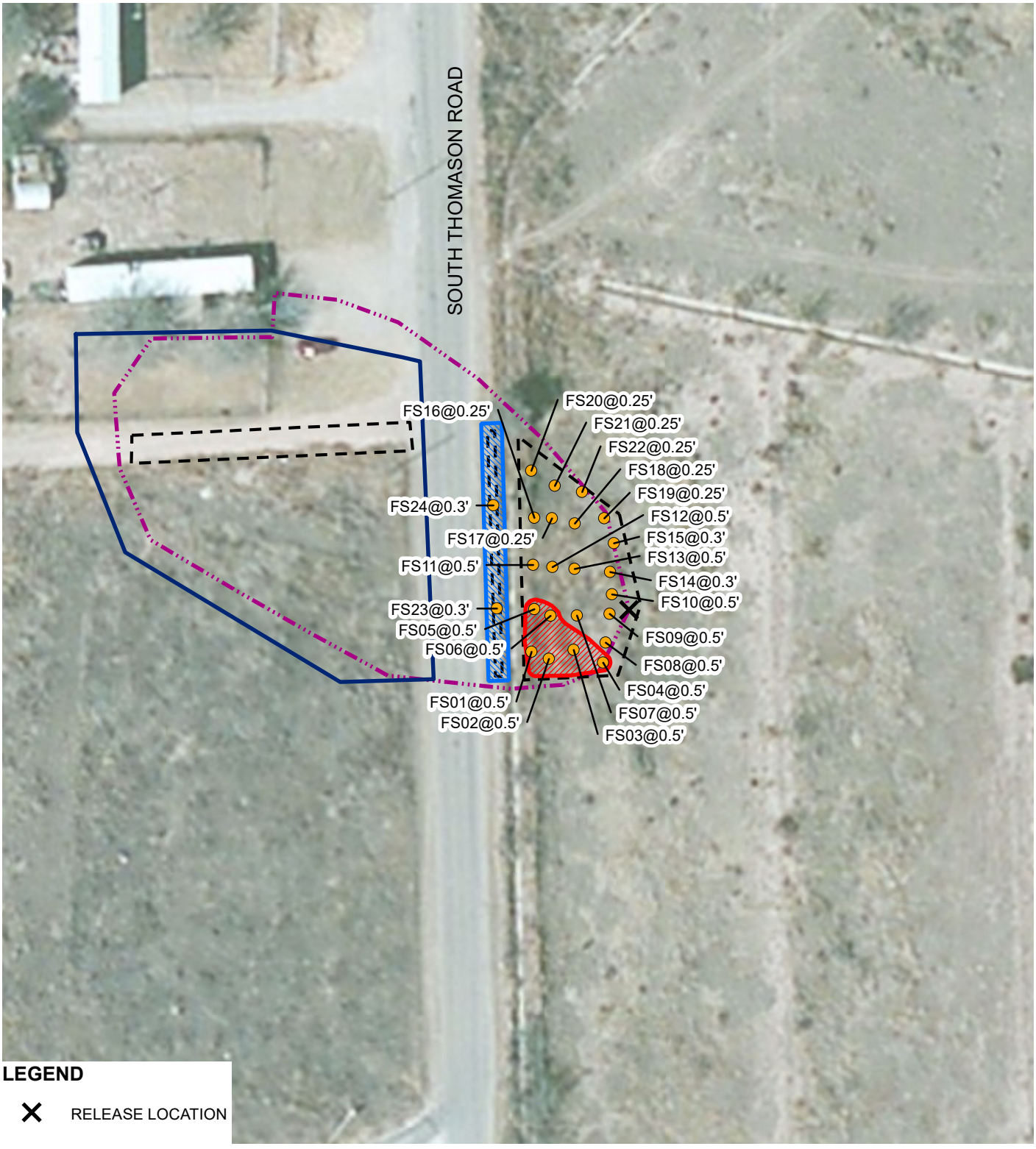
IMAGE COURTESY OF ESRI

0 100 200
Feet

N

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
APE FEE #001
UNIT H & L SEC 4 & 5 T23S R27E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034820008_APE FEE #001\034820008_FIG02_DELINEATION_2020_022020.mxd



LEGEND

- RELEASE LOCATION
- EXCAVATION SOIL SAMPLE
- EXCAVATION EXTENT
- PROPOSED EXCAVATION AREA (AREA NEEDS TO BE SCRAPED)
- PROPOSED EXCAVATION AREA (UP TO 1 FOOT BGS)
- RELEASE EXTENT (24,465 SQUARE FEET)
- MICRO-BLAZE EMERGENCY LIQUID SPILL CONTROL

BGS: BELOW GROUND SURFACE

IMAGE COURTESY OF ESRI

0 60 120
Feet

N

FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
APE FEE #001
UNIT H & L SEC 4 & 5 T23S R27E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034820008_APE FEE #001\034820008_FIG03_EXCAVATION_2020.mxd

TABLE 1
SOIL ANALYTICAL RESULTS

APE FEE #001H
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

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)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SS01	0 - 0.25	02/14/2020	<0.000483	<0.000525	<0.000404	<0.000401	<0.000401	<13.9	<11.5	<11.5	<11.5	18.5
SS02	0 - 0.25	02/14/2020	<0.000484	<0.000526	<0.000405	<0.000401	<0.000401	<13.9	14.6 J	<11.4	14.6 J	5.73 J
SS03	0 - 0.25	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	10.2
SS04	0 - 0.25	02/18/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	65.7
SS05	0 - 0.25	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	16.6
SS06	0 - 0.25	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	79.4
SS07	0 - 0.25	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	14.3
SS08	0 - 0.25	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	359
SS09	0 - 0.25	02/18/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	183	<50.3	**183**	148
SS10	0 - 0.25	02/18/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	65.7
SS11	0 - 0.25	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	**697**
SS12	0 - 0.25	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	27.2
BH01	0 - 0.25	1/23/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	16.7
BH01A	0.5	1/23/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	19.6
BH02	0 - 0.25	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	63.5	<49.9	63.5	179
BH02A	0.5	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	49.3
BH03	0 - 0.25	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	21.6
BH03A	0.5	1/23/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	11.5
BH04	0 - 0.25	1/23/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	41.8
BH04A	0.5	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<10.1
BH05	0 - 0.25	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	238
BH05A	0.5	1/23/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	52.9
BH06	0 - 0.25	1/23/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	381
BH06A	0.5	1/23/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	81.7
BH07	0 - 0.25	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<9.94
BH07A	0.5	1/23/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	26.4
BH08	0 - 0.25	1/23/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	13.0
BH08A	0.5	1/23/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	157
BH09	0.5	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	87.6
BH10	0.5	02/18/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.3	<50.3	<50.3	<50.3	28.1
BH10A	1	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	20.9
BH11	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	12.0
BH12	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	142
BH13	0.5	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	50.5
BH14	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	26.3
BH15	0.5	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	204
BH16	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<49.4
BH17	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	32.0
BH18	0.5	02/18/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	42.3
BH19	0.5	02/18/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	126
FS01	0.5	02/14/2020	<0.000487	<0.000530	<0.000408	<0.000405	<0.000405	25.0 J	215	16.6 J	**257**	248
FS02	0.5	02/14/2020	<0.000489	<0.000532	<0.000409	<0.000406	<0.000406	15.9 J	817	52.1	**885**	72.7
FS03	0.5	02/14/2020	<0.000486	0.0108	0.0112	0.155	0.177	401	4970	386	**5,760**	232
FS04	0.5	02/14/2020	<0.000486	<0.000528	<0.000406	<0.000403	<0.000403	<13.9	837	74.2	**911**	44.7
FS05	0.5	02/14/2020	<0.000483	<0.000525	<0.000404	0.000934 J	0.000934 J	24.5 J	239	64.0	**328**	180
FS06	0.5	02/14/2020	<0.000488	<0.000531	<0.000409	<0.000406	<0.000406	<13.8	37.8 J	16.8 J	54.6	44.7
FS07	0.5	02/14/2020	<0.000484	<0.000526	<0.000405	<0.000401	<0.000401	<14.0	<11.5	<11.5	<11.5	<0.351
FS08	0.5	02/14/2020	<0.000488	<0.000531	<0.000409	<0.000406	<0.000406	<14.0	<11.5	<11.5	<11.5	21.0
FS09	0.5	02/14/2020	<0.000487	<0.000530	<0.000408	<0.000405	<0.000405	<13.9	<11.5	<11.5	<11.5	8.80 J
FS10	0.5	02/14/2020	<0.000488	<0.000531	<0.000409	<0.000406	<0.000406	<13.9	<11.5	<11.5	<11.5	18.7
FS11	0.5	02/14/2020	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	<13.9	<11.4	<11.4	<11.4	18.1
FS12	0.5	02/14/2020	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	<13.8	<11.4	<11.4	<11.4	12.6
FS13	0.5	02/14/2020	<0.000489	<0.000532	<0.000409	<0.000406	<0.000406	<13.8	<11.4	<11.4	<11.4	5.58 J
FS14	0.3	02/14/2020	<0.000484	<0.000526	<0.000405	<0.000401	<0.000401	<14.0	<11.5	<11.5	<11.5	30.8
FS15	0.3	02/14/2020	<0.000480	<0.000521	<0.000401	<0.000398	<0.000398	<14.0	<11.5	<11.5	<11.5	17.3
FS16	0.25	02/14/2020	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	<13.8	<11.4	<11.4	<11.4	29.6
FS17	0.25	02/14/2020	<0.000484	<0.000526	<0.000405	<0.000401	<0.000401	<13.9	<11.4	<11.4	<11.4	6.04 J
FS18	0.25	02/14/2020	<0.000489	<0.000532	<0.000409	<0.000406	<0.000406	<13.9	<11.5	<11.5	<11.5	14.6
FS19	0.25	02/14/2020	<0.000486	<0.000528	<0.000406	<0.000403	<0.000403	<13.9	<11.5	<11.5	<11.5	58.4
FS20	0.25	02/14/2020	<0.000488	<0.000531	<0.000409	<0.000406	<0.000406	<13.8	<11.4	<11.4	<11.4	14.2
FS21	0.25	02/14/2020	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	25.2 J	14.9 J	<11.5	40.1 J	5.58 J
FS22	0.25	02/14/2020	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	<13.9	<11.5	<11.5	<11.5	21.2
FS23	0.3	02/14/2020	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	20.5 J	355	27.6 J	**403**	388
FS24	0.3	02/14/2020	<0.000487	<0.000530	<0.000408	<0.000405	<0.000405	<13.8	25.8 J	<11.4	25.8 J	157
NMOCD Table 1 Closure Criteria			**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**

Notes:
bgs - below ground surface
BTEX - benzene, toluene, ethylbenzene, and total xylenes
mg/kg - milligrams per kilogram
NE - not established
NMOCD - New Mexico Oil Conservation Division
DRO - diesel range organics
GRO - gasoline range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbons
< - indicates result is below laboratory reporting limits
Bold- indicates result exceeds the applicable regulatory standard
J - Analyte was positively identified below the quantitation limit and above the detection limit

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Robert Raup	Contact Telephone: 701-310-5194
Contact email: Bob.Raup@wpxenergy.com	Incident # *(assigned by OCD): Not Yet Assigned*
Contact mailing address: One Williams Center – MD 25-31, Tulsa, OK 74172	

Location of Release Source

Latitude 32.333864 Longitude -104.203312

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ape Fee #001	Site Type: Well Pad Facility Flowline
Date Release Discovered: January 21, 2020	API# 30-015-42101

Unit Letter	Section	Township	Range	County
	4	23S	27E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Names:* James Barrett Kenney et. al., Carl A & Vira George, Charles & Peggy Augustus, Riley J & Joey J Neeb, Reynaldo H. Lopez)

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): 0.5 – 1.5 BBL's	Volume Recovered (bbls): To Be Determined
☒ Produced Water	Volume Released (bbls): 1 – 4.5 BBL's	Volume Recovered (bbls): To Be Determined
	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): 75	Volume Recovered (Mcf): 0
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

At approximately 2:30 a.m. on 1/21/2020, a split approximately 0.5 inches in diameter developed in the flowline connected to the Ape Fee No. 1 well (API 30-015-42101), causing a misting of natural gas, produced water, and crude oil to occur.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
YES, immediate notice was provided by WPX Energy Permian, LLC to NMOCD via phone call and email to the District 2 Field Office. A phone message was left for Mr. Mike Bratcher on January 21st at approximately 10:15 a.m. A follow up email was sent to Mike Bratcher, Victoria Venegas, and Robert Hamlet at 10:19 a.m. on January 21st.

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:

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: Robert W. Raup II Title: HSE Supervisor

Signature: _____ Date: March 3, 2020

email: Bob.Raup@wpxenergy.com Telephone: 701-310-5194

OCD Only

Received by: _____ Date: _____

ATTACHMENT 2: LABORATORY ANALYTICAL REPORTS

Analytical Report 652836

for

LT Environmental, Inc.

Project Manager: Chris McKisson

Ape Fee 001

034820008

19-FEB-20

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)

19-FEB-20

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

Reference: XENCO Report No(s): **652836**
Ape Fee 001
Project Address: Eddy

Chris McKisson:

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) 652836. 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. 652836 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

Sample Cross Reference 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH09	S	02-18-20 10:35	0.5 ft	652836-001
BH10	S	02-18-20 10:45	0.5 ft	652836-002
BH10A	S	02-18-20 10:50	1 ft	652836-003
BH11	S	02-18-20 10:59	0.5 ft	652836-004
BH12	S	02-18-20 11:06	0.5 ft	652836-005
BH13	S	02-18-20 11:14	0.5 ft	652836-006
BH14	S	02-18-20 11:24	0.5 ft	652836-007
BH15	S	02-18-20 11:31	0.5 ft	652836-008
BH16	S	02-18-20 11:38	0.5 ft	652836-009
BH17	S	02-18-20 11:52	0.5 ft	652836-010
BH18	S	02-18-20 12:02	0.5 ft	652836-011
BH19	S	02-18-20 12:13	0.5 ft	652836-012
SS03	S	02-18-20 13:14	0 - 0.25 ft	652836-013
SS04	S	02-18-20 12:33	0 - 0.25 ft	652836-014
SS05	S	02-18-20 13:18	0 - 0.25 ft	652836-015
SS06	S	02-18-20 13:23	0 - 0.25 ft	652836-016
SS07	S	02-18-20 13:29	0 - 0.25 ft	652836-017
SS08	S	02-18-20 13:34	0 - 0.25 ft	652836-018
S09	S	02-18-20 13:39	0 - 0.25 ft	652836-019
SS10	S	02-18-20 13:44	0 - 0.25 ft	652836-020
SS11	S	02-18-20 12:27	0 - 0.25 ft	652836-021
SS12	S	02-18-20 12:40	0 - 0.25 ft	652836-022

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116910 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3116911 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 19-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-001		652836-002		652836-003		652836-004		652836-005		652836-006	
	Field Id:	BH09		BH10		BH10A		BH11		BH12		BH13	
	Depth:	0.5- ft		0.5- ft		1- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 10:35		Feb-18-20 10:45		Feb-18-20 10:50		Feb-18-20 10:59		Feb-18-20 11:06		Feb-18-20 11:14	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 21:39		Feb-18-20 22:00		Feb-18-20 22:20		Feb-18-20 23:21		Feb-18-20 23:41		Feb-19-20 00:02	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Xylenes, Total		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00	
	Analyzed:	Feb-18-20 18:18		Feb-18-20 18:35		Feb-18-20 18:40		Feb-18-20 18:57		Feb-18-20 19:03		Feb-18-20 19:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		87.6	9.92	28.1	10.0	20.9	10.1	12.0	9.98	142	49.6	50.5	49.8
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 22:48		Feb-18-20 22:48		Feb-18-20 23:08		Feb-18-20 23:08		Feb-18-20 23:28		Feb-18-20 23:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Total TPH		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 19-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-007		652836-008		652836-009		652836-010		652836-011		652836-012	
	Field Id:	BH14		BH15		BH16		BH17		BH18		BH19	
	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:	Feb-18-20 11:24		Feb-18-20 11:31		Feb-18-20 11:38		Feb-18-20 11:52		Feb-18-20 12:02		Feb-18-20 12:13	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-19-20 00:22		Feb-19-20 00:43		Feb-19-20 01:03		Feb-19-20 01:23		Feb-19-20 01:44		Feb-19-20 02:04	
	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	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399	<0.00400	0.00400	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Xylenes, Total		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 17:30		Feb-18-20 17:30	
	Analyzed:	Feb-18-20 19:14		Feb-18-20 19:20		Feb-18-20 19:25		Feb-18-20 19:31		Feb-18-20 20:04		Feb-18-20 20:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		26.3	9.98	204	50.4	<49.4	49.4	32.0	9.98	42.3	9.92	126	49.8
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 23:48		Feb-19-20 00:08		Feb-19-20 00:08		Feb-19-20 00:28		Feb-19-20 00:28		Feb-19-20 01:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 19-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-013		652836-014		652836-015		652836-016		652836-017		652836-018	
	Field Id:	SS03		SS04		SS05		SS06		SS07		SS08	
	Depth:	0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 13:14		Feb-18-20 12:33		Feb-18-20 13:18		Feb-18-20 13:23		Feb-18-20 13:29		Feb-18-20 13:34	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 16:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-19-20 02:25		Feb-18-20 20:52		Feb-18-20 21:12		Feb-18-20 21:32		Feb-18-20 21:53		Feb-18-20 22:13	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00403	0.00403	<0.00401	0.00401	<0.00400	0.00400	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Xylenes, Total		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30	
	Analyzed:	Feb-18-20 20:26		Feb-18-20 20:32		Feb-18-20 20:38		Feb-18-20 20:54		Feb-18-20 21:00		Feb-18-20 21:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.2	9.98	65.7	9.92	16.6	9.88	79.4	9.98	14.3	9.96	359	9.88
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15	
	Analyzed:	Feb-19-20 00:47		Feb-19-20 00:47		Feb-19-20 01:07		Feb-19-20 02:46		Feb-19-20 03:06		Feb-19-20 03:26	
	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	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Total TPH		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 19-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-019		652836-020		652836-021		652836-022					
	Field Id:	S09		SS10		SS11		SS12					
	Depth:	0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Feb-18-20 13:39		Feb-18-20 13:44		Feb-18-20 12:27		Feb-18-20 12:40					
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00					
	Analyzed:	Feb-18-20 23:14		Feb-18-20 23:35		Feb-18-20 23:55		Feb-19-20 00:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00403	0.00403	<0.00403	0.00403	<0.00399	0.00399	<0.00398	0.00398				
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Xylenes, Total		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Chloride by EPA 300	***Extracted:***	Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30					
	Analyzed:	Feb-18-20 21:11		Feb-18-20 21:17		Feb-18-20 21:23		Feb-18-20 21:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		148	9.82	65.7	9.96	697	49.8	27.2	9.98				
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15					
	Analyzed:	Feb-19-20 03:26		Feb-19-20 03:46		Feb-19-20 03:46		Feb-19-20 04:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Diesel Range Organics (DRO)		183	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Total TPH		183	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				

Jessica Kramer
Project Assistant

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-001	Date Collected:	02.18.20 10.35	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**87.6**	9.92	mg/kg	02.18.20 18.18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.18.20 22.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.18.20 22.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 22.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-001	Date Collected:	02.18.20 10.35	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.18.20 21.39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 21.39	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.18.20 21.39	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-002	Date Collected:	02.18.20 10.45	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.1**	10.0	mg/kg	02.18.20 18.35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 22.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.18.20 22.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 22.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-002	Date Collected:	02.18.20 10.45	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.18.20 22.00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Xylenes, Total	1330-20-7	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.18.20 22.00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.18.20 22.00	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-003	Date Collected:	02.18.20 10.50	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.9**	10.1	mg/kg	02.18.20 18.40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.18.20 23.08	
o-Terphenyl	84-15-1	116	%	70-135	02.18.20 23.08	

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LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-003	Date Collected:	02.18.20 10.50	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 22.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 22.20	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.18.20 22.20	

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LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-004	Date Collected:	02.18.20 10.59	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.0**	9.98	mg/kg	02.18.20 18.57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.18.20 23.08	
o-Terphenyl	84-15-1	110	%	70-135	02.18.20 23.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-004	Date Collected:	02.18.20 10.59	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.18.20 23.21	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.18.20 23.21	

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LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-005	Date Collected:	02.18.20 11.06	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**142**	49.6	mg/kg	02.18.20 19.03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.18.20 23.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.18.20 23.28	
o-Terphenyl	84-15-1	113	%	70-135	02.18.20 23.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-005	Date Collected:	02.18.20 11.06	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 23.41	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.18.20 23.41	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-006	Date Collected:	02.18.20 11.14	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.5**	49.8	mg/kg	02.18.20 19.08		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.18.20 23.48	
o-Terphenyl	84-15-1	108	%	70-135	02.18.20 23.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-006	Date Collected:	02.18.20 11.14	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 00.02	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 00.02	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-007	Date Collected:	02.18.20 11.24	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.3**	9.98	mg/kg	02.18.20 19.14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.18.20 23.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.18.20 23.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 23.48	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-007	Date Collected:	02.18.20 11.24	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 00.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.19.20 00.22	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 00.22	

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Ape Fee 001

Sample Id:	**BH15**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-008	Date Collected:	02.18.20 11.31	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**204**	50.4	mg/kg	02.18.20 19.20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.19.20 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 00.08	
o-Terphenyl	84-15-1	105	%	70-135	02.19.20 00.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH15**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-008	Date Collected:	02.18.20 11.31	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.20 00.43	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 00.43	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**BH16**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-009	Date Collected:	02.18.20 11.38	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<49.4	49.4	mg/kg	02.18.20 19.25	U	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.19.20 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 00.08	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH16**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-009	Date Collected:	02.18.20 11.38	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.20 01.03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.20 01.03	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.19.20 01.03	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH17**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-010	Date Collected:	02.18.20 11.52	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.0**	9.98	mg/kg	02.18.20 19.31		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 00.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 00.28	
o-Terphenyl	84-15-1	104	%	70-135	02.19.20 00.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH17**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-010	Date Collected:	02.18.20 11.52	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 01.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 01.23	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 01.23	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH18**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-011	Date Collected:	02.18.20 12.02	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.3**	9.92	mg/kg	02.18.20 20.04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 00.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.20 00.28	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH18**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-011	Date Collected:	02.18.20 12.02	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 01.44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.19.20 01.44	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.19.20 01.44	

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Ape Fee 001

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-012	Date Collected:	02.18.20 12.13	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**126**	49.8	mg/kg	02.18.20 20.21		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 01.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 01.07	
o-Terphenyl	84-15-1	105	%	70-135	02.19.20 01.07	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-012	Date Collected:	02.18.20 12.13	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 02.04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 02.04	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 02.04	

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Ape Fee 001

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-013	Date Collected:	02.18.20 13.14	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.2**	9.98	mg/kg	02.18.20 20.26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 00.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 00.47	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.47	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-013	Date Collected:	02.18.20 13.14	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 02.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 02.25	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 02.25	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-014	Date Collected:	02.18.20 12.33	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.7**	9.92	mg/kg	02.18.20 20.32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 00.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.20 00.47	
o-Terphenyl	84-15-1	109	%	70-135	02.19.20 00.47	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-014	Date Collected:	02.18.20 12.33	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 20.52	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.18.20 20.52	
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.18.20 20.52	

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Ape Fee 001

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-015	Date Collected:	02.18.20 13.18	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.6**	9.88	mg/kg	02.18.20 20.38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.19.20 01.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 01.07	
o-Terphenyl	84-15-1	111	%	70-135	02.19.20 01.07	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-015	Date Collected:	02.18.20 13.18	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.18.20 21.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.18.20 21.12	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.18.20 21.12	

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Ape Fee 001

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-016	Date Collected:	02.18.20 13.23	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.4**	9.98	mg/kg	02.18.20 20.54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 02.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 02.46	
o-Terphenyl	84-15-1	109	%	70-135	02.19.20 02.46	

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Ape Fee 001

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-016	Date Collected:	02.18.20 13.23	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.18.20 21.32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	02.18.20 21.32	
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.18.20 21.32	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-017	Date Collected:	02.18.20 13.29	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.3**	9.96	mg/kg	02.18.20 21.00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 03.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	02.19.20 03.06	
o-Terphenyl	84-15-1	113	%	70-135	02.19.20 03.06	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-017	Date Collected:	02.18.20 13.29	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.18.20 21.53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.18.20 21.53	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.18.20 21.53	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS08**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-018	Date Collected:	02.18.20 13.34	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**359**	9.88	mg/kg	02.18.20 21.05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 03.26	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 03.26	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS08**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-018	Date Collected:	02.18.20 13.34	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.18.20 22.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	02.18.20 22.13	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.18.20 22.13	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**S09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-019	Date Collected:	02.18.20 13.39	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**148**	9.82	mg/kg	02.18.20 21.11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	**183**	50.3	mg/kg	02.19.20 03.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Total TPH	PHC635	**183**	50.3	mg/kg	02.19.20 03.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.20 03.26	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 03.26	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**S09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-019	Date Collected:	02.18.20 13.39	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 23.14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.18.20 23.14	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.18.20 23.14	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-020	Date Collected:	02.18.20 13.44	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.7**	9.96	mg/kg	02.18.20 21.17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.20 03.46	
o-Terphenyl	84-15-1	117	%	70-135	02.19.20 03.46	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-020	Date Collected:	02.18.20 13.44	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 23.35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.18.20 23.35	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.18.20 23.35	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-021	Date Collected:	02.18.20 12.27	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**697**	49.8	mg/kg	02.18.20 21.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 03.46	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 03.46	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-021	Date Collected:	02.18.20 12.27	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.18.20 23.55	
4-Bromofluorobenzene	460-00-4	93	%	70-130	02.18.20 23.55	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-022	Date Collected:	02.18.20 12.40	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.2**	9.98	mg/kg	02.18.20 21.41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 04.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 04.06	
o-Terphenyl	84-15-1	117	%	70-135	02.19.20 04.06	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-022	Date Collected:	02.18.20 12.40	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.19.20 00.16	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 00.16	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696884-1-BLK LCS Sample Id: 7696884-1-BKS LCSD Sample Id: 7696884-1-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	255	102	249	100	90-110	2	20	mg/kg	02.18.20 16:49	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696934-1-BLK LCS Sample Id: 7696934-1-BKS LCSD Sample Id: 7696934-1-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	264	106	263	105	90-110	0	20	mg/kg	02.18.20 19:53	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652817-001 MS Sample Id: 652817-001 S MSD Sample Id: 652817-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	240	200	449	105	453	107	90-110	1	20	mg/kg	02.18.20 17:06	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-001 MS Sample Id: 652836-001 S MSD Sample Id: 652836-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	87.6	200	271	92	267	90	90-110	1	20	mg/kg	02.18.20 18:24	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-011 MS Sample Id: 652836-011 S MSD Sample Id: 652836-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	42.3	201	236	96	238	97	90-110	1	20	mg/kg	02.18.20 20:10	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-021 MS Sample Id: 652836-021 S MSD Sample Id: 652836-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	697	201	879	91	882	93	90-110	0	20	mg/kg	02.18.20 21:29	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696924-1-BLK LCS Sample Id: 7696924-1-BKS LCSD Sample Id: 7696924-1-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	956	96	819	82	70-135	15	35	mg/kg	02.18.20 21:07	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	918	92	70-135	12	35	mg/kg	02.18.20 21:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		120		113		70-135	%	02.18.20 21:07
o-Terphenyl	92		113		109		70-135	%	02.18.20 21:07

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK LCS Sample Id: 7696957-1-BKS LCSD Sample Id: 7696957-1-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	824	82	934	93	70-135	13	35	mg/kg	02.19.20 02:27	
Diesel Range Organics (DRO)	<50.0	1000	895	90	999	100	70-135	11	35	mg/kg	02.19.20 02:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		114		117		70-135	%	02.19.20 02:27
o-Terphenyl	100		104		109		70-135	%	02.19.20 02:27

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696924-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.18.20 21:07	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.20 02:07	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652818-014 MS Sample Id: 652818-014 S MSD Sample Id: 652818-014 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	984	99	971	97	70-135	1	35	mg/kg	02.18.20 21:48	
Diesel Range Organics (DRO)	<49.8	995	1070	108	1040	104	70-135	3	35	mg/kg	02.18.20 21:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.18.20 21:48
o-Terphenyl	127		117		70-135	%	02.18.20 21:48

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-016 MS Sample Id: 652836-016 S MSD Sample Id: 652836-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	912	91	897	90	70-135	2	35	mg/kg	02.19.20 02:46	
Diesel Range Organics (DRO)	<50.1	1000	1020	102	958	96	70-135	6	35	mg/kg	02.19.20 02:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.19.20 02:46
o-Terphenyl	123		109		70-135	%	02.19.20 02:46

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

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

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

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

Final 1.000

QC Summary 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116910 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696952-1-BLK LCS Sample Id: 7696952-1-BKS LCSD Sample Id: 7696952-1-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	0.106	106	70-130	1	35	mg/kg	02.18.20 17:14	
Toluene	<0.00200	0.100	0.104	104	0.102	102	70-130	2	35	mg/kg	02.18.20 17:14	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0987	99	71-129	2	35	mg/kg	02.18.20 17:14	
m,p-Xylenes	<0.00400	0.200	0.207	104	0.203	102	70-135	2	35	mg/kg	02.18.20 17:14	
o-Xylene	<0.00200	0.100	0.104	104	0.102	102	71-133	2	35	mg/kg	02.18.20 17:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		105		70-130	%	02.18.20 17:14
4-Bromofluorobenzene	93		95		92		70-130	%	02.18.20 17:14

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116911 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696953-1-BLK LCS Sample Id: 7696953-1-BKS LCSD Sample Id: 7696953-1-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	0.124	124	0.122	122	70-130	2	35	mg/kg	02.18.20 17:28	
Toluene	<0.00200	0.100	0.115	115	0.113	113	70-130	2	35	mg/kg	02.18.20 17:28	
Ethylbenzene	<0.00200	0.100	0.110	110	0.109	109	71-129	1	35	mg/kg	02.18.20 17:28	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.212	106	70-135	1	35	mg/kg	02.18.20 17:28	
o-Xylene	<0.00200	0.100	0.108	108	0.107	107	71-133	1	35	mg/kg	02.18.20 17:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		110		111		70-130	%	02.18.20 17:28
4-Bromofluorobenzene	94		89		92		70-130	%	02.18.20 17:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116910 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652817-001 MS Sample Id: 652817-001 S MSD Sample Id: 652817-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.115	115	70-130	6	35	mg/kg	02.18.20 17:55	
Toluene	<0.00200	0.100	0.103	103	0.107	107	70-130	4	35	mg/kg	02.18.20 17:55	
Ethylbenzene	<0.00200	0.100	0.0994	99	0.105	105	71-129	5	35	mg/kg	02.18.20 17:55	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.217	109	70-135	6	35	mg/kg	02.18.20 17:55	
o-Xylene	<0.00200	0.100	0.102	102	0.109	109	71-133	7	35	mg/kg	02.18.20 17:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		103		70-130	%	02.18.20 17:55
4-Bromofluorobenzene	96		90		70-130	%	02.18.20 17:55

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3116911 Matrix: Soil Date Prep: 02.18.20

Parent Sample Id: 652818-014 MS Sample Id: 652818-014 S MSD Sample Id: 652818-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.123	123	0.117	116	70-130	5	35	mg/kg	02.18.20 18:09	
Toluene	<0.00200	0.100	0.123	123	0.107	106	70-130	14	35	mg/kg	02.18.20 18:09	
Ethylbenzene	<0.00200	0.100	0.116	116	0.0984	97	71-129	16	35	mg/kg	02.18.20 18:09	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.190	94	70-135	17	35	mg/kg	02.18.20 18:09	
o-Xylene	<0.00200	0.100	0.114	114	0.0958	95	71-133	17	35	mg/kg	02.18.20 18:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		70-130	%	02.18.20 18:09
4-Bromofluorobenzene	93		91		70-130	%	02.18.20 18:09

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: 452830

www.xenco.com Page 1 of 3

Project Manager:	Chris McKisson	~~Bill to: (if different)~~	
Company Name:	LT Environmental	~~Company Name:~~	
Address:	820 Megan Ave, Unit B	~~Address:~~	
City, State ZIP:	Rifle, CO 81650	~~City, State ZIP:~~	
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@ltenv.com

Work Order Comments

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

Project Name:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temperature (°C):	2.0 2.0 Corr 2/18	Temp Blank:	(Yes) No	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID		T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:		22

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH09	S	2/18/20	10:35	.5'	1	X	X	X
BH10			10:45	.5'	1	X	X	X
BH10A			10:50	1'	1	X	X	X
BH11			10:59	.5'	1	X	X	X
BH12			11:06		1	X	X	X
BH13			11:14		1	X	X	X
BH14			11:24		1	X	X	X
BH15			11:31		1	X	X	X
BH16			11:38		1	X	X	X
BH17			11:52		1	X	X	X

Work Order Notes

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

Sample Comments

Discrete

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			2/18/20 15:53	2			
3				4			
5				6			

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: 652830

www.xenco.com Page 2 of 3

Project Manager:	Chris McKisson	~~Bill to: (if different)~~	~~D~~
Company Name:	LT Environmental	Company Name:	D
Address:	820 Megan Ave, Unit B	Address:	D
City, State ZIP:	Rifle, CO 81650	City, State ZIP:	D
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@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:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID	temp	
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)	Work Order Notes / Sample Comments
BH18	S	2/18/20	12:02	.5'	1	X	X	X	Discrete
BH19			12:13	.5'	1	X	X	X	Discrete
SS03			13:14	0-0.25'	1	X	X	X	Composite
SS04			12:33		1	X	X	X	
SS05			13:18		1	X	X	X	
SS06			13:23		1	X	X	X	
SS07			13:29		1	X	X	X	
SS08			13:54		1	X	X	X	
SS09			13:59		1	X	X	X	
SS10			13:44		1	X	X	X	

ANALYSIS REQUEST

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			2/18/20 15:53	2		
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: 452836

www.xenco.com Page 3 of 3

Project Manager:	Chris McKisson	Bill to: (if different)	
Company Name:	LT Environmental	Company Name:	
Address:	820 Megan Ave, Unit B	Address:	
City, State ZIP:	Rifle, CO 81650	City, State ZIP:	
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@ltenv.com

Work Order Comments

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

Project Name:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2.0	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)
SS11	S	2/18/20	12:27	0-0.25'	1	X	X	X
SS12	S	2/18/20	12:40	0-0.25'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

composite
composite

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		2/18/20 15:53	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Final 1.000

Page 61 of 62

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 02.18.2020 03.53.00 PM

Work Order #: 652836

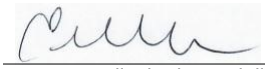
Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

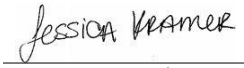
Temperature Measuring device used : T-NM-007

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

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

Analyst: PH Device/Lot#:

Checklist completed by:  Date: 02.18.2020
Elizabeth McClellan

Checklist reviewed by:  Date: 02.19.2020
Jessica Kramer

Analytical Report 652836

for

LT Environmental, Inc.

Project Manager: Chris McKisson

Ape Fee 001

034820008

25-FEB-20

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)

25-FEB-20

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

Reference: XENCO Report No(s): **652836**
Ape Fee 001
Project Address: Eddy

Chris McKisson:

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) 652836. 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. 652836 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

Sample Cross Reference 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH09	S	02-18-20 10:35	0.5 ft	652836-001
BH10	S	02-18-20 10:45	0.5 ft	652836-002
BH10A	S	02-18-20 10:50	1 ft	652836-003
BH11	S	02-18-20 10:59	0.5 ft	652836-004
BH12	S	02-18-20 11:06	0.5 ft	652836-005
BH13	S	02-18-20 11:14	0.5 ft	652836-006
BH14	S	02-18-20 11:24	0.5 ft	652836-007
BH15	S	02-18-20 11:31	0.5 ft	652836-008
BH16	S	02-18-20 11:38	0.5 ft	652836-009
BH17	S	02-18-20 11:52	0.5 ft	652836-010
BH18	S	02-18-20 12:02	0.5 ft	652836-011
BH19	S	02-18-20 12:13	0.5 ft	652836-012
SS03	S	02-18-20 13:14	0 - 0.25 ft	652836-013
SS04	S	02-18-20 12:33	0 - 0.25 ft	652836-014
SS05	S	02-18-20 13:18	0 - 0.25 ft	652836-015
SS06	S	02-18-20 13:23	0 - 0.25 ft	652836-016
SS07	S	02-18-20 13:29	0 - 0.25 ft	652836-017
SS08	S	02-18-20 13:34	0 - 0.25 ft	652836-018
SS09	S	02-18-20 13:39	0 - 0.25 ft	652836-019
SS10	S	02-18-20 13:44	0 - 0.25 ft	652836-020
SS11	S	02-18-20 12:27	0 - 0.25 ft	652836-021
SS12	S	02-18-20 12:40	0 - 0.25 ft	652836-022

Sample receipt non conformances and comments:

V1.001 - Revision Corrected sample name from S09 to SS09. JK 02/25/20

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116910 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3116911 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 25-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-001		652836-002		652836-003		652836-004		652836-005		652836-006	
	Field Id:	BH09		BH10		BH10A		BH11		BH12		BH13	
	Depth:	0.5- ft		0.5- ft		1- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 10:35		Feb-18-20 10:45		Feb-18-20 10:50		Feb-18-20 10:59		Feb-18-20 11:06		Feb-18-20 11:14	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 21:39		Feb-18-20 22:00		Feb-18-20 22:20		Feb-18-20 23:21		Feb-18-20 23:41		Feb-19-20 00:02	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Xylenes, Total		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00	
	Analyzed:	Feb-18-20 18:18		Feb-18-20 18:35		Feb-18-20 18:40		Feb-18-20 18:57		Feb-18-20 19:03		Feb-18-20 19:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		87.6	9.92	28.1	10.0	20.9	10.1	12.0	9.98	142	49.6	50.5	49.8
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 22:48		Feb-18-20 22:48		Feb-18-20 23:08		Feb-18-20 23:08		Feb-18-20 23:28		Feb-18-20 23:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3
Total TPH		<49.9	49.9	<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.0	50.0	<50.3	50.3

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 25-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-007		652836-008		652836-009		652836-010		652836-011		652836-012	
	Field Id:	BH14		BH15		BH16		BH17		BH18		BH19	
	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:	Feb-18-20 11:24		Feb-18-20 11:31		Feb-18-20 11:38		Feb-18-20 11:52		Feb-18-20 12:02		Feb-18-20 12:13	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-19-20 00:22		Feb-19-20 00:43		Feb-19-20 01:03		Feb-19-20 01:23		Feb-19-20 01:44		Feb-19-20 02:04	
	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	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399	<0.00400	0.00400	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Xylenes, Total		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 16:00		Feb-18-20 17:30		Feb-18-20 17:30	
	Analyzed:	Feb-18-20 19:14		Feb-18-20 19:20		Feb-18-20 19:25		Feb-18-20 19:31		Feb-18-20 20:04		Feb-18-20 20:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		26.3	9.98	204	50.4	<49.4	49.4	32.0	9.98	42.3	9.92	126	49.8
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-18-20 23:48		Feb-19-20 00:08		Feb-19-20 00:08		Feb-19-20 00:28		Feb-19-20 00:28		Feb-19-20 01:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 25-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-013		652836-014		652836-015		652836-016		652836-017		652836-018	
	Field Id:	SS03		SS04		SS05		SS06		SS07		SS08	
	Depth:	0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 13:14		Feb-18-20 12:33		Feb-18-20 13:18		Feb-18-20 13:23		Feb-18-20 13:29		Feb-18-20 13:34	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 16:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-19-20 02:25		Feb-18-20 20:52		Feb-18-20 21:12		Feb-18-20 21:32		Feb-18-20 21:53		Feb-18-20 22:13	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00403	0.00403	<0.00401	0.00401	<0.00400	0.00400	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Xylenes, Total		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30	
	Analyzed:	Feb-18-20 20:26		Feb-18-20 20:32		Feb-18-20 20:38		Feb-18-20 20:54		Feb-18-20 21:00		Feb-18-20 21:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.2	9.98	65.7	9.92	16.6	9.88	79.4	9.98	14.3	9.96	359	9.88
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15	
	Analyzed:	Feb-19-20 00:47		Feb-19-20 00:47		Feb-19-20 01:07		Feb-19-20 02:46		Feb-19-20 03:06		Feb-19-20 03:26	
	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	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3
Total TPH		<50.1	50.1	<50.3	50.3	<49.8	49.8	<50.2	50.2	<49.9	49.9	<50.3	50.3

Certificate of Analysis Summary 652836

LT Environmental, Inc., Arvada, CO

Project Name: Ape Fee 001

Project Id: 034820008
Contact: Chris McKisson
Project Location: Eddy

Date Received in Lab: Tue Feb-18-20 03:53 pm
Report Date: 25-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652836-019		652836-020		652836-021		652836-022					
	Field Id:	SS09		SS10		SS11		SS12					
	Depth:	0-0.25 ft		0-0.25 ft		0-0.25 ft		0-0.25 ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Feb-18-20 13:39		Feb-18-20 13:44		Feb-18-20 12:27		Feb-18-20 12:40					
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00					
	Analyzed:	Feb-18-20 23:14		Feb-18-20 23:35		Feb-18-20 23:55		Feb-19-20 00:16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
m,p-Xylenes		<0.00403	0.00403	<0.00403	0.00403	<0.00399	0.00399	<0.00398	0.00398				
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Xylenes, Total		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199				
Chloride by EPA 300	***Extracted:***	Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30		Feb-18-20 17:30					
	Analyzed:	Feb-18-20 21:11		Feb-18-20 21:17		Feb-18-20 21:23		Feb-18-20 21:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		148	9.82	65.7	9.96	697	49.8	27.2	9.98				
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15					
	Analyzed:	Feb-19-20 03:26		Feb-19-20 03:46		Feb-19-20 03:46		Feb-19-20 04:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Diesel Range Organics (DRO)		183	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				
Total TPH		183	50.3	<50.3	50.3	<50.3	50.3	<50.1	50.1				

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-001	Date Collected:	02.18.20 10.35	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**87.6**	9.92	mg/kg	02.18.20 18.18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.18.20 22.48	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.18.20 22.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.18.20 22.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 22.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-001	Date Collected:	02.18.20 10.35	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.18.20 21.39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.18.20 21.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 21.39	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.18.20 21.39	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-002	Date Collected:	02.18.20 10.45	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.1**	10.0	mg/kg	02.18.20 18.35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 22.48	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 22.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.18.20 22.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 22.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-002	Date Collected:	02.18.20 10.45	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.18.20 22.00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Xylenes, Total	1330-20-7	<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.18.20 22.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.18.20 22.00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.18.20 22.00	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-003	Date Collected:	02.18.20 10.50	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.9**	10.1	mg/kg	02.18.20 18.40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.18.20 23.08	
o-Terphenyl	84-15-1	116	%	70-135	02.18.20 23.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-003	Date Collected:	02.18.20 10.50	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 22.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 22.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 22.20	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.18.20 22.20	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-004	Date Collected:	02.18.20 10.59	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.0**	9.98	mg/kg	02.18.20 18.57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.18.20 23.08	
o-Terphenyl	84-15-1	110	%	70-135	02.18.20 23.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-004	Date Collected:	02.18.20 10.59	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.18.20 23.21	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.18.20 23.21	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-005	Date Collected:	02.18.20 11.06	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**142**	49.6	mg/kg	02.18.20 19.03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.18.20 23.28	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.18.20 23.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.18.20 23.28	
o-Terphenyl	84-15-1	113	%	70-135	02.18.20 23.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-005	Date Collected:	02.18.20 11.06	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.18.20 23.41	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.18.20 23.41	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-006	Date Collected:	02.18.20 11.14	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.5**	49.8	mg/kg	02.18.20 19.08		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.18.20 23.48	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.18.20 23.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.18.20 23.48	
o-Terphenyl	84-15-1	108	%	70-135	02.18.20 23.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-006	Date Collected:	02.18.20 11.14	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 00.02	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 00.02	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-007	Date Collected:	02.18.20 11.24	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.3**	9.98	mg/kg	02.18.20 19.14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.18.20 23.48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.18.20 23.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.18.20 23.48	
o-Terphenyl	84-15-1	107	%	70-135	02.18.20 23.48	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-007	Date Collected:	02.18.20 11.24	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 00.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 00.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.19.20 00.22	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 00.22	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH15**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-008	Date Collected:	02.18.20 11.31	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**204**	50.4	mg/kg	02.18.20 19.20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.19.20 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 00.08	
o-Terphenyl	84-15-1	105	%	70-135	02.19.20 00.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH15**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-008	Date Collected:	02.18.20 11.31	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.20 00.43	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 00.43	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH16**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-009	Date Collected:	02.18.20 11.38	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<49.4	49.4	mg/kg	02.18.20 19.25	U	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 00.08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.19.20 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 00.08	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.08	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH16**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-009	Date Collected:	02.18.20 11.38	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.20 01.03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.20 01.03	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.19.20 01.03	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH17**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-010	Date Collected:	02.18.20 11.52	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116915				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.0**	9.98	mg/kg	02.18.20 19.31		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 00.28	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 00.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 00.28	
o-Terphenyl	84-15-1	104	%	70-135	02.19.20 00.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH17**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-010	Date Collected:	02.18.20 11.52	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 01.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 01.23	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 01.23	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH18**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-011	Date Collected:	02.18.20 12.02	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.3**	9.92	mg/kg	02.18.20 20.04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 00.28	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 00.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.20 00.28	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.28	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH18**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-011	Date Collected:	02.18.20 12.02	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 01.44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 01.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.19.20 01.44	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.19.20 01.44	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-012	Date Collected:	02.18.20 12.13	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**126**	49.8	mg/kg	02.18.20 20.21		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 01.07	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 01.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 01.07	
o-Terphenyl	84-15-1	105	%	70-135	02.19.20 01.07	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-012	Date Collected:	02.18.20 12.13	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 02.04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 02.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 02.04	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 02.04	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-013	Date Collected:	02.18.20 13.14	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.2**	9.98	mg/kg	02.18.20 20.26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 00.47	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 00.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 00.47	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 00.47	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-013	Date Collected:	02.18.20 13.14	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116910				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 02.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.20 02.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 02.25	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 02.25	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-014	Date Collected:	02.18.20 12.33	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.7**	9.92	mg/kg	02.18.20 20.32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 00.47	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 00.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.20 00.47	
o-Terphenyl	84-15-1	109	%	70-135	02.19.20 00.47	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-014	Date Collected:	02.18.20 12.33	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 16.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 20.52	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 20.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.18.20 20.52	
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.18.20 20.52	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-015	Date Collected:	02.18.20 13.18	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.6**	9.88	mg/kg	02.18.20 20.38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116932				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.19.20 01.07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.19.20 01.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 01.07	
o-Terphenyl	84-15-1	111	%	70-135	02.19.20 01.07	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-015	Date Collected:	02.18.20 13.18	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.18.20 21.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 21.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.18.20 21.12	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.18.20 21.12	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-016	Date Collected:	02.18.20 13.23	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.4**	9.98	mg/kg	02.18.20 20.54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 02.46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 02.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 02.46	
o-Terphenyl	84-15-1	109	%	70-135	02.19.20 02.46	

Certificate of Analytical Results 652836

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Ape Fee 001

Sample Id:	**SS06**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-016	Date Collected:	02.18.20 13.23	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.18.20 21.32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 21.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	02.18.20 21.32	
1,4-Difluorobenzene	540-36-3	109	%	70-130	02.18.20 21.32	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-017	Date Collected:	02.18.20 13.29	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.3**	9.96	mg/kg	02.18.20 21.00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 03.06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 03.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	02.19.20 03.06	
o-Terphenyl	84-15-1	113	%	70-135	02.19.20 03.06	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS07**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-017	Date Collected:	02.18.20 13.29	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.18.20 21.53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.18.20 21.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.18.20 21.53	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.18.20 21.53	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS08**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-018	Date Collected:	02.18.20 13.34	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**359**	9.88	mg/kg	02.18.20 21.05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 03.26	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 03.26	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS08**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-018	Date Collected:	02.18.20 13.34	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.18.20 22.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 22.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	02.18.20 22.13	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.18.20 22.13	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-019	Date Collected:	02.18.20 13.39	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**148**	9.82	mg/kg	02.18.20 21.11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	**183**	50.3	mg/kg	02.19.20 03.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.26	U	1
Total TPH	PHC635	**183**	50.3	mg/kg	02.19.20 03.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.20 03.26	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 03.26	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS09**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-019	Date Collected:	02.18.20 13.39	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 23.14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 23.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.18.20 23.14	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.18.20 23.14	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-020	Date Collected:	02.18.20 13.44	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.7**	9.96	mg/kg	02.18.20 21.17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.20 03.46	
o-Terphenyl	84-15-1	117	%	70-135	02.19.20 03.46	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS10**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-020	Date Collected:	02.18.20 13.44	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.18.20 23.35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.18.20 23.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.18.20 23.35	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.18.20 23.35	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-021	Date Collected:	02.18.20 12.27	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**697**	49.8	mg/kg	02.18.20 21.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 03.46	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 03.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 03.46	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 03.46	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS11**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-021	Date Collected:	02.18.20 12.27	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.18.20 23.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Xylenes, Total	1330-20-7	<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.18.20 23.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.18.20 23.55	
4-Bromofluorobenzene	460-00-4	93	%	70-130	02.18.20 23.55	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-022	Date Collected:	02.18.20 12.40	Sample Depth:	0 - 0.25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.30	Basis:	Wet Weight
Seq Number:	3116918				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.2**	9.98	mg/kg	02.18.20 21.41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 04.06	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 04.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 04.06	
o-Terphenyl	84-15-1	117	%	70-135	02.19.20 04.06	

Certificate of Analytical Results 652836

LT Environmental, Inc., Arvada, CO

Ape Fee 001

Sample Id:	**SS12**	Matrix:	Soil	Date Received:	02.18.20 15.53
Lab Sample Id:	652836-022	Date Collected:	02.18.20 12.40	Sample Depth:	0 - 0.25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	02.19.20 00.16	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 00.16	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696884-1-BLK LCS Sample Id: 7696884-1-BKS LCSD Sample Id: 7696884-1-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	255	102	249	100	90-110	2	20	mg/kg	02.18.20 16:49	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696934-1-BLK LCS Sample Id: 7696934-1-BKS LCSD Sample Id: 7696934-1-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	264	106	263	105	90-110	0	20	mg/kg	02.18.20 19:53	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652817-001 MS Sample Id: 652817-001 S MSD Sample Id: 652817-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	240	200	449	105	453	107	90-110	1	20	mg/kg	02.18.20 17:06	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116915 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-001 MS Sample Id: 652836-001 S MSD Sample Id: 652836-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	87.6	200	271	92	267	90	90-110	1	20	mg/kg	02.18.20 18:24	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-011 MS Sample Id: 652836-011 S MSD Sample Id: 652836-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	42.3	201	236	96	238	97	90-110	1	20	mg/kg	02.18.20 20:10	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3116918 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-021 MS Sample Id: 652836-021 S MSD Sample Id: 652836-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	697	201	879	91	882	93	90-110	0	20	mg/kg	02.18.20 21:29	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696924-1-BLK LCS Sample Id: 7696924-1-BKS LCSD Sample Id: 7696924-1-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	956	96	819	82	70-135	15	35	mg/kg	02.18.20 21:07	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	918	92	70-135	12	35	mg/kg	02.18.20 21:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		120		113		70-135	%	02.18.20 21:07
o-Terphenyl	92		113		109		70-135	%	02.18.20 21:07

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK LCS Sample Id: 7696957-1-BKS LCSD Sample Id: 7696957-1-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	824	82	934	93	70-135	13	35	mg/kg	02.19.20 02:27	
Diesel Range Organics (DRO)	<50.0	1000	895	90	999	100	70-135	11	35	mg/kg	02.19.20 02:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		114		117		70-135	%	02.19.20 02:27
o-Terphenyl	100		104		109		70-135	%	02.19.20 02:27

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696924-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.18.20 21:07	

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.20 02:07	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116932 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652818-014 MS Sample Id: 652818-014 S MSD Sample Id: 652818-014 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	984	99	971	97	70-135	1	35	mg/kg	02.18.20 21:48	
Diesel Range Organics (DRO)	<49.8	995	1070	108	1040	104	70-135	3	35	mg/kg	02.18.20 21:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.18.20 21:48
o-Terphenyl	127		117		70-135	%	02.18.20 21:48

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652836-016 MS Sample Id: 652836-016 S MSD Sample Id: 652836-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	912	91	897	90	70-135	2	35	mg/kg	02.19.20 02:46	
Diesel Range Organics (DRO)	<50.1	1000	1020	102	958	96	70-135	6	35	mg/kg	02.19.20 02:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.19.20 02:46
o-Terphenyl	123		109		70-135	%	02.19.20 02:46

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

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

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

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

QC Summary 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116910 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696952-1-BLK LCS Sample Id: 7696952-1-BKS LCSD Sample Id: 7696952-1-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	0.106	106	70-130	1	35	mg/kg	02.18.20 17:14	
Toluene	<0.00200	0.100	0.104	104	0.102	102	70-130	2	35	mg/kg	02.18.20 17:14	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0987	99	71-129	2	35	mg/kg	02.18.20 17:14	
m,p-Xylenes	<0.00400	0.200	0.207	104	0.203	102	70-135	2	35	mg/kg	02.18.20 17:14	
o-Xylene	<0.00200	0.100	0.104	104	0.102	102	71-133	2	35	mg/kg	02.18.20 17:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		105		70-130	%	02.18.20 17:14
4-Bromofluorobenzene	93		95		92		70-130	%	02.18.20 17:14

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116911 Matrix: Solid Date Prep: 02.18.20
MB Sample Id: 7696953-1-BLK LCS Sample Id: 7696953-1-BKS LCSD Sample Id: 7696953-1-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	0.124	124	0.122	122	70-130	2	35	mg/kg	02.18.20 17:28	
Toluene	<0.00200	0.100	0.115	115	0.113	113	70-130	2	35	mg/kg	02.18.20 17:28	
Ethylbenzene	<0.00200	0.100	0.110	110	0.109	109	71-129	1	35	mg/kg	02.18.20 17:28	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.212	106	70-135	1	35	mg/kg	02.18.20 17:28	
o-Xylene	<0.00200	0.100	0.108	108	0.107	107	71-133	1	35	mg/kg	02.18.20 17:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		110		111		70-130	%	02.18.20 17:28
4-Bromofluorobenzene	94		89		92		70-130	%	02.18.20 17:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116910 Matrix: Soil Date Prep: 02.18.20
Parent Sample Id: 652817-001 MS Sample Id: 652817-001 S MSD Sample Id: 652817-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.115	115	70-130	6	35	mg/kg	02.18.20 17:55	
Toluene	<0.00200	0.100	0.103	103	0.107	107	70-130	4	35	mg/kg	02.18.20 17:55	
Ethylbenzene	<0.00200	0.100	0.0994	99	0.105	105	71-129	5	35	mg/kg	02.18.20 17:55	
m,p-Xylenes	<0.00400	0.200	0.205	103	0.217	109	70-135	6	35	mg/kg	02.18.20 17:55	
o-Xylene	<0.00200	0.100	0.102	102	0.109	109	71-133	7	35	mg/kg	02.18.20 17:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		103		70-130	%	02.18.20 17:55
4-Bromofluorobenzene	96		90		70-130	%	02.18.20 17:55

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 652836

LT Environmental, Inc.

Ape Fee 001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3116911 Matrix: Soil Date Prep: 02.18.20

Parent Sample Id: 652818-014 MS Sample Id: 652818-014 S MSD Sample Id: 652818-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.123	123	0.117	116	70-130	5	35	mg/kg	02.18.20 18:09	
Toluene	<0.00200	0.100	0.123	123	0.107	106	70-130	14	35	mg/kg	02.18.20 18:09	
Ethylbenzene	<0.00200	0.100	0.116	116	0.0984	97	71-129	16	35	mg/kg	02.18.20 18:09	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.190	94	70-135	17	35	mg/kg	02.18.20 18:09	
o-Xylene	<0.00200	0.100	0.114	114	0.0958	95	71-133	17	35	mg/kg	02.18.20 18:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		70-130	%	02.18.20 18:09
4-Bromofluorobenzene	93		91		70-130	%	02.18.20 18:09

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: 452830

www.xenco.com Page 1 of 3

Project Manager:	Chris McKisson	~~Bill to: (if different)~~	
Company Name:	LT Environmental	~~Company Name:~~	
Address:	820 Megan Ave, Unit B	~~Address:~~	
City, State ZIP:	Rifle, CO 81650	~~City, State ZIP:~~	
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@ltenv.com

Work Order Comments

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

Project Name:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temperature (°C):	2.0 2.0 Corr 2/18	Temp Blank:	(Yes) No	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID		T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:		22

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH09	S	2/18/20	10:35	.5'	1	X	X	X
BH10			10:45	.5'	1	X	X	X
BH10A			10:50	1'	1	X	X	X
BH11			10:59	.5'	1	X	X	X
BH12			11:06		1	X	X	X
BH13			11:14		1	X	X	X
BH14			11:24		1	X	X	X
BH15			11:31		1	X	X	X
BH16			11:38		1	X	X	X
BH17			11:52		1	X	X	X

Work Order Notes

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

Sample Comments

Discrete

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		2/18/20 15:53	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Final 1.001

Page 59 of 62

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
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Work Order No: 652830

www.xenco.com Page 2 of 3

Project Manager:	Chris McKisson	~~Bill to: (if different)~~	~~D~~
Company Name:	LT Environmental	Company Name:	D
Address:	820 Megan Ave, Unit B	Address:	D
City, State ZIP:	Rifle, CO 81650	City, State ZIP:	D
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@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:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	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)	Work Order Notes / Sample Comments
BH18	S	2/18/20	12:02	.5'	1	X	X	X	Discrete
BH19			12:13	.5'	1	X	X	X	Discrete
SS03			13:14	0-0.25'	1	X	X	X	Composite
SS04			12:33		1	X	X	X	
SS05			13:18		1	X	X	X	
SS06			13:23		1	X	X	X	
SS07			13:29		1	X	X	X	
SS08			13:54		1	X	X	X	
SS09			13:59		1	X	X	X	
SS10			13:44		1	X	X	X	

ANALYSIS REQUEST

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			2/18/20 15:53	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES

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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 3 of 3

Work Order No: 452836

Project Manager:	Chris McKisson	Bill to: (if different)	
Company Name:	LT Environmental	Company Name:	
Address:	820 Megan Ave, Unit B	Address:	
City, State ZIP:	Rifle, CO 81650	City, State ZIP:	
Phone:	970-285-9985	Email:	wmather@ltenv.com, cmckisson@ltenv.com

Work Order Comments

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

Project Name:	Ape Fee 001	Turn Around	
Project Number:	034820008	Routine	☐
P.O. Number:	Eddy	Rush:	24hr
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2.0	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)	Sample Comments
SS11	S	2/18/20	12:27	0-0.25'	1	X	X	X	Composite
SS12	S	2/18/20	12:40	0-0.25'	1	X	X	X	Composite

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		2/18/20 15:53	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: 02.18.2020 03.53.00 PM

Work Order #: 652836

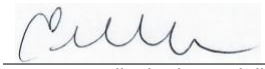
Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

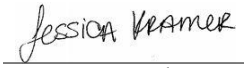
Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?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

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

Analyst: PH Device/Lot#:

Checklist completed by:  Date: 02.18.2020

Elizabeth McClellan

Checklist reviewed by:  Date: 02.19.2020

Jessica Kramer